



Nicolette Bateson, CPA



CHIEF FINANCIAL OFFICER

📞 313-999-4149

📍 735 Randolph St, Detroit, MI 48226

✉️ Nicolette.Bateson@glwater.org

CAREER SUMMARY

Ms. Bateson is the Chief Financial Officer (CFO) and Treasurer for Great Lakes Water Authority GLWA. Ms. Bateson's service follows her tenure as the first CFO for DWSD which began in February 2013. In that role she led the Financial Services Area through a significant transformation effort engaging cross-functional teams to achieve sustainable change. The result was a professionalized department with an unprecedented demonstration of transparency to all stakeholders. This pivotal effort supported intensive, collaborative discussions that were essential to forming the Authority.

Ms. Bateson possesses extensive financial and public administration experience. As a visiting specialist for the State and Local Government Program with Michigan State University Extension, Ms. Bateson worked with state and local officials to address the needs of cities in fiscal stress. Her research, educational programs, and writings related to public-sector financial challenges are often cited. In her roles as Assistant City Manager and Finance Director in local government, she was responsible for strategic planning, financial turnaround, information technology, labor relations, employee benefit design, project management and deploying multi-year budgeting and long-range capital planning. Ms. Bateson's professional career began with a national accounting firm serving clients in the construction, manufacturing, and nonprofit sector.

Ms. Bateson earned a Bachelor of Business Administration in professional accountancy from the University of Michigan-Dearborn and a Masters of Public Administration from Eastern Michigan University. Ms. Bateson's accomplishments in the fields of accounting and public administration have garnered the following honors: Eastern Michigan University Masters of Public Administration Program - Public Administrator of the Year (2017), Crain's Detroit Notable Women in Finance (2018), and Eastern Michigan University Alumni Achievement Award (2022).

Executive Leadership Team



Jody Caldwell, P.E.

CHIEF PLANNING OFFICER

📞 313-410-2486

📍 735 Randolph St, Detroit, MI 48226

✉ Jody.Caldwell@glwater.org

CAREER SUMMARY

Jody Caldwell is the Chief Planning Officer for the Great Lakes Water Authority (GLWA). Mr. Caldwell brings more than 22 years of private consultation, municipal operations and maintenance, and asset management experience to GLWA. Prior to his appointment as Chief Planning Officer, Mr. Caldwell served as the Asset Management Director for the enterprise-wide asset management group for over five years. He helped to support functional areas by coordinating overall asset management strategies, objectives, and activities to ensure decisions are informed by risk, regional needs, and life cycle considerations. Prior to his service with GLWA, Jody was a Chief Engineer at Oakland County's Water Resources Commissioner's Office (WRC) where he worked for 12 years in many different capacities. In this role, Mr. Caldwell was responsible for oversight of multiple areas including capital, asset management and planning, finance and budgeting, water operations and maintenance, water engineering, and cross connection control. During his time with WRC, Mr. Caldwell worked closely with the DWSD and GLWA. He was the Oakland County representative on the DWSD Board of Water Commissioners, served as the water technical advisory committee and wastewater steering committee co-chairs, and was an important part of the DWSD-GLWA transition efforts. Mr. Caldwell is a registered professional engineer in the State of Michigan and holds a Bachelor of Science and Master of Science degree in Civil Engineering from Michigan State University.

Executive Leadership Team



Suzanne Coffey, P.E.

CHIEF EXECUTIVE OFFICER

📞 313-999-3529

📍 735 Randolph St, Detroit, MI 48226

✉ Suzanne.Coffey@glwater.org

CAREER SUMMARY

Suzanne R. Coffey became the Chief Executive Officer for Great Lakes Water Authority (GLWA) on June 23, 2022. Before being named Chief Executive Officer, Ms. Coffey served for nearly a year in the role of Interim Chief Executive Officer. Prior to that, she was the Chief Planning Officer for GLWA, a position she held since August 24, 2015. As Chief Planning Officer, Ms. Coffey championed GLWA's efforts to bolster the Authority's asset management capacities, capital improvement program execution and lead long-term planning efforts including the Wastewater Master Plan. Ms. Coffey initially became familiar with GLWA through her role as a manager in the Oakland County's Water Resources Commissioner's office, where she worked for 12 years and was an integral part of the Detroit Water and Sewerage Department (DWSD)-GLWA transition efforts. Under the leadership of Oakland County Water Resources Commissioner Jim Nash, Ms. Coffey was responsible for supervising engineers, field staff members, administrative and technical support personnel and supporting operations and maintenance of wastewater interceptor systems, local municipal wastewater conveyance systems, drains and lake level control structures, as well as oversight of staff members who perform construction project management and construction inspection. Ms. Coffey is a licensed professional engineer in the state of Michigan. She graduated Cum Laude from Lawrence Technological University with a Bachelor of Science degree in Civil Engineering.

Executive Leadership Team

David Jones, J.D.

GENERAL COUNSEL

📞 313-348-2674

📍 735 Randolph St, Detroit, MI 48226

✉ David.Jones@glwater.org

CAREER SUMMARY

David W. Jones serves as General Counsel for the Great Lakes Water Authority (GLWA). In this role, Mr. Jones acts as the primary legal advisor to GLWA, while working with the Authority's Executive Leadership Team to continue the growth and success of the organization. Prior to his selection as General Counsel to GLWA, Mr. Jones served as a partner at Schenk & Bruetsch where he specialized in complex litigation, government affairs and municipal and administrative law. Mr. Jones is also one of the founding partners of Allen Brothers, PLLC, a full-service law firm. Before co-founding Allen Brothers, Mr. Jones was an assistant prosecutor for Wayne County and associate corporate counsel for a title insurance company. He began his legal career as an associate attorney for Lewis and Munday in 1997. Mr. Jones earned his corporate finance degree from Wayne State University and his juris doctorate from the University of Detroit Mercy School of Law. He is a member of the State Bar of Michigan, the American Bar Association, the National Bar Association and the Wolverine Bar Association. In 2019, Mayor Michael Duggan appointed Mr. Jones to the Detroit Board of Ethics, an independent Charter-created entity that investigates and resolves violations of the city's Ethics Ordinance. He was also recently appointed by the Michigan Supreme Court to its Commission on Diversity, Equity and Inclusion in the Michigan Judiciary.

Executive Leadership Team

W. Barnett Jones, AS, BGS, MALS, M.Ed.

CHIEF SECURITY AND INTEGRITY OFFICER

☎ 313-999-6654

📍 735 Randolph St, Detroit, MI 48226

✉ WBarnett.Jones@glwater.org

CAREER SUMMARY

Chief Jones was appointed Great Lakes Water Authority's (GLWA) Chief Security and Integrity Officer on January 1, 2016 after serving with DWSD in that capacity since 2012. His extensive experience in law enforcement and security spans over a 40-year career. Chief Jones is responsible for GLWA's entire security posture, which includes the physical security infrastructure and safety of employees, facilities, and assets. In addition, Chief Jones has been pivotal in developing and implementing entity-wide integrity policies and procedures. Prior to his arrival at GLWA, Chief Jones served as Chief of Police, Police Administrator, Fire Chief, Captain, Lieutenant, Sergeant, and Deputy Sheriff with large local units of government in Michigan including the supervision of both police and fire personnel. Chief Jones has a Masters in Educational Leadership from Madonna University, a Masters in Liberal Studies from Eastern Michigan University and a Bachelor in General Studies from the University of Michigan-Dearborn. He has also received certification from the State of Michigan to be a K-12 school administrator. Additionally, Chief Jones is a graduate of the FBI National Academy and a graduate of the Secret Service Dignitary Protection training, as well as a certified firefighter. In 2023, Chief Jones received Certificates of Completion for Promoting Racial Equity in the Workplace and National and International Security from John F. Kennedy School of Government at Harvard University.

Executive Leadership Team



Jordie Kramer

CHIEF ORGANIZATIONAL DEVELOPMENT OFFICER

☎ 313-999-0507

📍 735 Randolph St, Detroit, MI 48226

✉ Jordie.Kramer@glwater.org

CAREER SUMMARY

Ms. Kramer became the Chief Organizational Development Officer in October 2022 after serving as the Director – Organizational Development since 2019 at Great Lakes Water Authority (GLWA). Jordie has served in increasingly more responsible human resource roles in government entities in southeast Michigan for nearly three decades. Her areas of responsibility include recruitment, compensation, benefits, labor relations, employee relations, human resource information systems (HRIS), and training and development. Before her tenure at GLWA, Kramer served as Oakland County's Director of Human Resources, and served as Labor Relations Supervisor and Senior Compensation Analyst. Kramer is active in the Michigan Public Employers Labor Relations Association and serves as a member of its board of directors and is also active in the National Public Employers Labor Relations Association. She earned a Bachelor of Science Degree from Central Michigan University.

Executive Leadership Team

Navid Mehram, P.E.

CHIEF OPERATING OFFICER

📞 313-969-3124

📍 9300 W. Jefferson, Detroit, MI 48209

✉️ navid.mehram@glwater.org

CAREER SUMMARY

A passionate, visionary leader with great communication skills, innovative thinking, and customer focus. An inspiring and motivational manager with superior interpersonal skills and the ability and passion to motivate and inspire co-workers. Accomplished, proven leader in water and sewer operation specializing in water resource recovery facilities management, minimizing facility vulnerability, improving asset efficiency, controlling operation and maintenance budgets, reviewing and modifying operations to achieve and maintain regulatory compliance.



Academic Qualifications

Bachelor of Science, Civil Engineering,
Wayne State University



Years of Experience

18



Certifications

Professional Engineer: Michigan

Chief Operating Officer (COO), Wastewater Operations, Great Lakes Water Authority, Detroit, MI

Provides executive leadership for operation and maintenance of one Water Resource Recovery Facilities with a combined capacity 1,700 million gallons per day, nine Combine Sewer Overflow facilities with a combined capacity over 30,000 million gallons of hydraulic capacity. In the capacity as the COO, Navid supports over 400 team members responsible for operations, maintenance, engineering, industrial pretreatment, and complete laboratory operations. Manages a operation and Maintenance budget of over \$100M annually, and a 5-year Capital Improvement Plan of over \$762 M. Provides executive direction for large projects from planning, design and construction.

Chief Engineer, Oakland County Water Resource Commissioner (WRC), Oakland County, MI

Provided executive leadership for operation and maintenance of three Water Resource Recovery Facilities with a combined capacity 40.5 million gallons per day, (200+) sewage pump stations including 900 miles force mains, five community well systems, (2000+) grinder stations, and two retention basins. Also responsible for the WRC electrical and system control unit that service all WRC operated facilities. Lead operation and maintenance units with full responsibility of budgets, capital improvements, long range planning, operational and maintenance strategies. Directed an engineering team and operational supervisors for water resource recovery facilities, wastewater treatment plants, pumping systems and system control units with general oversight of 80 employees. Responsible for an annual operating budget of \$40 million spread over 13 communities. Executed the development and procurement of large scale capital projects, conduct monthly budget reviews for each operating unit as well as construction projects, oversee all major cost and schedule decisions.

Executive Leadership Team



Cheryl Porter

CHIEF OPERATING OFFICER

☎ 313-999-3138

📍 735 Randolph St, Detroit, MI 48226

✉ Cheryl.Porter@glwater.org

CAREER SUMMARY

Ms. Porter is the Chief Operating Officer (COO) of Great Lakes Water Authority (GLWA) Water and Field Services Area where she oversees five water treatment facilities and water transmission to the Authority's member partner communities, ensuring GLWA's water consistently meets and exceeds all quality standards and regulations . Ms. Porter is an active member of the American Water Works Association, and will be the national organization's president in 2024, which will make her the first African American and the first woman of color to hold that prestigious position. She also served as a Michigan American Water Works Association (AWWA) Section Trustee (2018-2021). In 2017, Crain's Detroit Business recognized her as one of Detroit's Women in Leadership. Ms. Porter provides leadership that's grounded in experience and manages engineers, field staff and administrative and technical support personnel. Her broad knowledge base in the water service sector began at DWSD as a Junior Chemist, where her dedication yielded eventual advancement to Water Production and Operations Manager. As the COO of the Detroit Water and Sewerage Department, she was part of the team that helped establish GLWA in 2016. Ms. Porter earned her BS degree from the University of Michigan, an MBA with a concentration in Human Resources Management from Madonna University, and a Juris Doctor degree from the University of Detroit Mercy School of Law. Ms. Porter maintains State of Michigan operator certifications for both Water Distribution (S-3) and Complete Treatment (F-1). Under her direction, GLWA's Southwest Water Treatment Plant received the "2023 President's Award and the Water Works Park Water Treatment Plant received the "2019 President's Award for Water Treatment" from the Partnership for Safe Water.

Executive Leadership Team



Jeffrey Small

CHIEF INFORMATION OFFICER

📞 248-408-2923

📍 735 Randolph St, Detroit, MI 48226

✉ Jeff.Small@glwater.org

CAREER SUMMARY

Mr. Small became Chief Information Officer for Great Lakes Water Authority (GLWA) on August 15, 2016. In his capacity as Chief Information Officer, Mr. Small directs and coordinates technology strategy implementation and provides strategic Information Technology (IT) leadership, change leadership, customer service, innovation, and information security for the regional authority. Mr. Small brings 30 years of information technology and business process experience to GLWA. Immediately prior to joining the GLWA team, he served for four years as Deputy Chief Information Officer at Wayne County, Michigan. Prior to his work at Wayne County, Mr. Small held IT leadership roles at several multi-national companies in a cross-section of industries, including retail, sourcing, brand-management and consumer products. Mr. Small holds a Bachelor of Arts in Political Science from The George Washington University and a Masters in Computer Information Systems from Baker College. He was named 2019 IT Professional of the Year by the Michigan chapter of the Government Management Information Sciences (Mi-GMIS) and was recognized as a 2020 Special District Program Award Winner from Government Technology magazine in the Technology and Innovation Leadership category.

Executive Leadership Team

William Wolfson



CHIEF ADMINISTRATIVE AND COMPLIANCE OFFICER

📞 313-999-3440

📍 735 Randolph St, Detroit, MI 48226

✉️ William.Wolfson@glwater.org

CAREER SUMMARY

Mr. Wolfson is the Chief Administrative and Compliance Officer and the Interim General Counsel for Great Lakes Water Authority (GLWA). In this role, Mr. Wolfson supports GLWA's Organizational Development, Information Technology, General Counsel, Special Projects, and Enterprise Risk Management Teams. With more than 35 years of local government experience, he also provides leadership support to the entire utility in the absence of its CEO. Prior to assuming his current position, Mr. Wolfson served as Chief Administrative and Compliance Officer and General Counsel for both GLWA and DWSD. Mr. Wolfson joined the DWSD as the utility's first General Counsel in June 2012 and added the position of Chief Operating and Compliance Officer in August 2013. Mr. Wolfson previously served as a member of the City of Detroit's Law Department working as the legal liaison to the Detroit City Council, as well as to several key regional initiatives such as the casino and stadium development projects. Upon leaving the City of Detroit, Mr. Wolfson moved to Wayne County's Department of Corporation Counsel and was appointed Deputy Corporation Counsel by County Executive Edward McNamara. The succeeding County Executive, Robert Ficano, appointed Mr. Wolfson to the position of Assistant Deputy County Executive/Director of Legal Affairs. In that position, Mr. Wolfson was responsible for the day-to-day operations of county government and its 4,500 employees. Mr. Wolfson retired from his Wayne County position in July 2009; he then went into private practice and contracted to serve as Wayne County's Interim Corporation Counsel. Mr. Wolfson is a graduate of the University of Michigan and the University of Minnesota Law School. In 2020 Mr. Wolfson was honored by Michigan Lawyers Weekly as one of its Leaders in the Law.

Executive Leadership Team



Michelle Zdrodowski



CHIEF PUBLIC AFFAIRS OFFICER

📞 313-618-0552

📍 735 Randolph St, Detroit, MI 48226

✉️ Michelle.Zdrodowski@glwater.org

CAREER SUMMARY

Ms. Zdrodowski became Chief Public Affairs Officer for Great Lakes Water Authority (GLWA) on July 6, 2016. In her capacity as Chief Public Affairs Officer, she guides the organization's efforts to build and maintain its relationships with internal and external stakeholders. Ms. Zdrodowski brings more than 30 years of strategic communications and community engagement experience to GLWA. Immediately prior to joining the GLWA team, she served as Chief Communications Officer for Detroit Public Schools during a period of unprecedented challenge and change. Her previous public sector communications experience also includes her tenure as Deputy Press Secretary to former Detroit Mayor Dennis Archer. Ms. Zdrodowski also spent more than a decade leading the nonprofit/government practice group for a Detroit-based public relations agency. Ms. Zdrodowski holds a Bachelor of Arts in Communications from Michigan State University. She is a member of the Public Affairs Council for American Water Works Association (AWWA) and is a member of the Board of Trustees for the Michigan Section of the AWWA.

Executive Leadership Team

Patricia Butler, SHRM-SCP

ORGANIZATIONAL DEVELOPMENT MANAGER

313-549-3239

735 Randolph St, Detroit, MI 48226

Patricia.Butler@glwater.org

CAREER SUMMARY

Results focused thought leader in strategic planning, workforce and program development, and process improvement. Expertise in launching new programs, processes, and systems to address human capital, organizational, and external market challenges. Polished presenter with excellent oral and written communication and training skills. Ethical leader with strong team building ability.



Academic Qualifications

MA, Leadership & Management,
Concordia University



Years of Experience

21



Certifications

Senior Certified Professional
Society for Human Resource
Management

Organizational Development Manager, Great Lakes Water Authority, Detroit, MI

As part of the Organizational Development (OD) Leadership Team, collaborates with OD thought leaders to identify and implement human capital growth and innovative development initiatives including organizational culture, policies, job descriptions, recruiting and outreach strategy, training, and employee engagement. Leads team to design and implement workforce development and talent management strategic initiatives including performance, compensation, internships, apprenticeships, training, outreach, and talent acquisition programs. Manages full apprentice and intern life cycles from recruiting through graduation and placement. Works with labor unions, educational institutions, and community workforce agencies to launch and expand DOL registered apprenticeship programs. Develops apprenticeship standards including related training instruction and on-the-job learning competency requirements. Develops and manages apprenticeship budget.

Develops strategic relationships with DOL, State of Michigan's Labor & Economic Opportunity (LEO) and the Environment, Great Lakes, and Energy (EGLE) departments, Michigan Works! agencies, and Focus: HOPE to expand apprenticeship programs to underserved communities and to secure grant funds and support services. Contributes HR expertise and thought leadership to the cross functional Strategic Asset Management Plan and Capital Improvement Planning teams as the OD representative. Contributes to GLWA's compensation and merit strategy and Member Partner initiatives. Oversees career progression development program. Works closely with operations and training to update and align progression competencies. Supports employee skill development and certification achievement. Over 20% of the eligible workforce progressed one career level in three years.

Administers performance management cycle from goal setting through final review and merit award. Conference speaker and trainer on workforce development, talent acquisition, and apprenticeships. Talent and compensation team lead and change champion for Workday ERP implementation. Automated manual performance and progression programs with Cornerstone HRIS. Developed training and guides. Trained executives and managers on new performance initiatives and S.M.A.R.T. goals


Dima El-Gamal, PhD, P.E., LEEDAP

DIRECTOR OF CAPITAL IMPROVEMENT PLANNING

☎ 313-400-3751

📍 735 Randolph St, Detroit, MI 48226

✉ Dima.El-Gamal@glwater.org

CAREER SUMMARY

Dr. Dima El-Gamal joined Great Lakes Water Authority (GLWA) in April 2021 as the Director of Capital Improvement Planning. Prior to joining GLWA in 2021, Dr. El-Gamal worked in the private sector for more than 26 years, including as a managing principal at Stantec Consulting Michigan, where she was responsible for securing and delivering water and wastewater projects for municipal clients within southeast Michigan. She supervised projects throughout their life cycle from inception to commissioning and provided Client Management Engineering Services. A dedicated philanthropist, El-Gamal serves on several boards, commissions, and committees, including Wayne State University Department of Civil and Environmental Engineering Advisory Board and the Michigan Board of Professional Engineers. She holds a Bachelor of Science from Aleppo University, and a Master of Science and Ph.D. from Wayne State University in Civil and Environmental Engineering.



Kim Garland, CPA

DEPUTY CHIEF FINANCIAL OFFICER

☎ 313-570-5913

📍 735 Randolph St, Detroit, MI 48226

✉ Kim.Garland@glwater.org

CAREER SUMMARY

Kim Garland is an experienced CPA and has worked within the Financial Services Area of Great Lakes Water Authority (GLWA) since November 2017. At GLWA, she leads a diverse group of team members focused on Public Finance, Intergovernmental Relations, Billing & Collections, Grant Management, and Water Affordability & Assistance. She received her bachelor's degree from Michigan State University and a master's degree in accounting from Eastern Michigan University. She also holds certifications as a Chartered Global Management Accountant (CGMA), Certified Information Systems Auditor (CISA), and Certified Information Security Systems Professional (CISSP). Prior to GLWA, she served for 11 years with the City of Chelsea as Administrator Director and Treasurer and was with Deloitte for seven years working in information security consulting, risk and control auditing, and corporate governance training. She is actively involved in a number of professional organizations. She is currently serving as President of the Michigan Government Finance Officers Association (MGFOA) and is a member of the Government Finance Officers Association (GFOA) Debt Committee.



Todd King, P.E., BCEE

SYSTEM RESILIENCY OFFICER

☎ 313-799-0289

📍 735 Randolph St, Detroit, MI 48226

✉ Todd.King@glwater.org

CAREER SUMMARY

In 2023, Mr. King became the System Resiliency Officer after serving as the Field Services Director since 2017 at Great Lakes Water Authority (GLWA). In this newly created position, Mr. King will lead cross-functional resiliency efforts such as the Southeast Michigan Flood Resiliency Study, field implementation of our Linear System Integrity Program, and support our energy resiliency efforts. He will also be responsible for the establishment and functions of a new GLWA Resiliency Council. Prior to joining GLWA, Mr. King was a consulting engineer in private practice focusing on public and private sector water, wastewater, and environmental projects. King is a Board Certified Environmental Engineer with over 35 years of experience and earned a Master of Science in Engineering (Environmental) and a Bachelor of Science in Engineering (Chemical) from the University of Michigan.

Melvin Dacres

OPERATIONS MANAGEMENT PROFESSIONAL



313-402-6315



9300 W. Jefferson, Detroit, MI 48209



Melvin.Dacres@glwater.org

CAREER SUMMARY

Highly qualified professional with over 23 years of experience in air quality regulatory compliance concerning wastewater treatment.



Academic Qualifications

BS, Chemistry,
University of Michigan



Years of Experience

27



Certifications

Class D Municipal Wastewater
Treatment Operator

Operations Management Professional, Great Lakes Water Authority, Detroit, MI

Manages the air monitoring programs, including all required compliance monitoring and reporting, SARA Title III hazardous chemical inventory compliance program, EPA protocol gas cylinder program for Total Hydrocarbon monitoring system, emissions compliance testing of multiple hearth incinerators and biosolids dryers, and the incinerator operator training program. Administers the Clean Air Act Title V Renewable Operating Permit and Clean Water Act Part 503 Sewage Sludge Disposal Programs.

Chemist III, Great Lakes Water Authority, Detroit, MI

Managed the air monitoring programs, including all required compliance monitoring and reporting, SARA Title III hazardous chemical inventory compliance program, EPA protocol gas cylinder program for Total Hydrocarbon monitoring system, emissions compliance testing of multiple hearth incinerators and biosolids dryers, and the drinking fountain analysis program for wastewater facilities. Administered the Clean Air Act Title V Renewable Operating Permit and Clean Water Act Part 503 Sewage Sludge Disposal Programs. Developed and facilitated the compressed gas cylinder safety training program.

Jason Edberg, P.E.

DIRECTOR OF INFRASTRUCTURE SPECIAL PROJECTS

📞 313-297-0249

📍 9300 W. Jefferson, Detroit, MI 48209

✉️ Jason.Edberg@glwater.org

CAREER SUMMARY

As the Linear Infrastructure Special Projects Director, Jason is responsible for supporting GLWA as a technical resource regarding high-risk complex underground and structural projects to ensure appropriate technology and delivery methods for linear projects. Serving as a technical advisor for complex construction projects, he also supports leadership in engineering, conveyance, and distribution efforts to ensure the resilience of GLWA underground assets.



Academic Qualifications

Civil & Environmental Engineering
Wayne State University



Years of Experience

25



Certifications

Professional Engineer: Michigan

Director of Infrastructure Special Projects, Great Lakes Water Authority (GLWA), Detroit, MI

Provide technical expertise and leadership for large, high-profile infrastructure projects to ensure appropriate technology and delivery methods. Serve as a technical advisor for complex design and construction projects, and provide leadership for engineering, wastewater conveyance, and water transmission teams to ensure the resilience of GLWA underground assets.


Executive Vice President, NTH Consultants

Performed strategic and business planning to establish and meet growth objectives for the firm, served on the Board of Directors and as Corporate Secretary, led a team of market executives to achieve revenue goals, served as Water Market Executive, and managed multiple high-profile infrastructure projects.

Signature projects have included; Modernize I-75 Segment 3, Michigan Department of Transportation: Served as design team lead for geotechnical investigations, support of excavation design, underground structural design, condition assessment of existing underground structures, geotechnical instrumentation, and construction quality acceptance for a large-diameter stormwater storage tunnel and pump station, Middlebelt Transport and Storage Tunnel, Oakland County Water Resources Commissioner: Served as subconsultant project manager for tunnel and underground structure design, including investigation, condition assessment, design, and construction oversight of the approximately 6,000 linear feet of 9-foot large diameter Glass fiber reinforced plastic mortar pipe sewer through challenging subsurface conditions. Project involved earth-pressure balance tunneling, soil stabilization / dewatering, preparation of geotechnical baseline reports, and the design of multiple tunnel liners and shafts, Black River Tunnel, City of Lorain, Ohio: Served as subconsultant project manager for the design and construction of a large-diameter Combined Sewer Overflow storage tunnel in rock, including shafts in rock up to 180 feet deep and a 23-foot diameter rock tunnel. Led the design of temporary earth/rock support and cast-in-place concrete shaft linings and a 19-foot finished diameter cast-in-place concrete tunnel lining.


Kevin Jankowski, P.E.

DIRECTOR OF ANALYTICS, PLANNING, & METERING

 313-319-8909

 735 Randolph St, Detroit, MI 48226

 kevin.jankowski@glwater.org

CAREER SUMMARY

Environmental engineer with a desire to deploy mathematical models of wastewater systems to best serve the community with planning related activities.



Academic Qualifications

Civil & Environmental Engineering
Marquette University



Years of Experience

18



Certifications

Professional Engineer: Michigan

Director of Wastewater Analytics, Planning, and Metering, Great Lakes Water Authority (GLWA), Detroit, MI

Environmental engineer with a desire to deploy mathematical models of wastewater systems to best serve the community with planning related activities. Experienced with designing systems for managing and cleaning municipal water supplies. Professional services has included GLWA Wastewater Model User Group Sponsor, Wastewater Analytics Task Force Sponsor, and Michigan Water Environment Association member. Technical knowledge and publications are illustrated through several consulting and professional activities, including experience as a group manager for a comprehensive energy and carbon neutrality plan, Project manager for the Biosolids Advanced Facilities Plan, and a project manager for preliminary engineering services for a dryer technology evaluation and pilot to lead the design and construction of a new dryer facility.

Majid Khan, Ph.D

DIRECTOR OF WASTEWATER OPERATIONS

313-297-4301

9300 W. Jefferson, Detroit, MI 48209

majid.khan@glwater.org

CAREER SUMMARY

Highly qualified and experienced professional with extensive experience in Wastewater Operations. Enacting the day-to-day operations of the Water Resource Recovery Facility (WRRF) by planning, directing, coordinating, and supervising the water resource recovery, industrial waste control operations, and laboratory services in compliance with the National Pollutant Discharge Elimination System (NPDES) permit.



Academic Qualifications

Ph.D, Applied Chemistry,
Aligarh Muslim University



Years of Experience

28



Certifications

Class A
Municipal Wastewater Operator

Director, Wastewater Operations, Great Lakes Water Authority (GLWA), Detroit, MI

Lead treatment operations, industrial pretreatment, and laboratory. Plan, direct, coordinate, and supervise a GLWA operational group. Develop and implement policies and procedures. Participate in budget development and administration; organizes tasks and sets priorities that involve a high level of independent judgment, initiative, and discretion. Plan, direct, coordinate, and supervise the Water Resource Recovery facility and pollution control operations in compliance with the Authority's National Pollution Discharge Elimination System permit.

Operations Manager, City of Detroit Wastewater Treatment Plant & GLWA

Responsible for leading and managing staff and all operations & maintenance activities at the WRRF and nine Combined Sewer Overflow facilities at GLWA to ensure efficient, successful and compliant operations.

Sewage Plant Supervisor, City of Detroit Wastewater Treatment Plant

Supervised personnel and Wastewater treatment plant operations & maintenance activities. Responsible to Lead and Manage the Staff and all activities at the Wastewater Treatment Plant on an eight hour shift. Developed Dewatering Pilot Team, Lead all operations and maintenance activities of the team

Andrew Marcus, Ph.D

MANAGEMENT PROFESSIONAL

📞 480-717-8798

📍 735 Randolph St, Detroit, MI 48226

✉️ Andrew.Marcus@glwater.org

CAREER SUMMARY

Highly qualified and experienced professional with extensive experience in project management, environmental engineering, and research. Andrew's exceptional teaching abilities have been recognized in his contributions to both graduate and undergraduate courses. Andrew has also been a key contributor to numerous publications that explore topics ranging from microbiology to wastewater treatment and biofilm modeling.



Academic Qualifications

Ph.D, Environmental Engineering,
Arizona State University



Years of Experience

25



Certifications

US Patent Holder
11459253

Management Professional, Great Lakes Water Authority, Detroit, MI

Acts as the lead project manager for wastewater treatment technologies, including hydrothermal liquefaction, anaerobic digestion, and disinfection.

Lead Ocean Engineer, Skyology, San Francisco, CA

Designed a process to remove >5 tons of carbon dioxide from atmosphere daily. Conducted Techno-economic analysis and Life Cycle Assessment for carbon dioxide removal technology. Created a Python-based process-model for carbon dioxide removal

Assistant Research Professor, Arizona State University, Tempe, AZ

Authored the mathematical modeling section for a \$2M+ NIH-funded grant, targeting microorganisms in dietary interventions. Supervised the development of a Python regression model using SciPy, with k-fold cross-validation and bias mitigation techniques. Developed Matlab® models predicting CO2-uptake in photobioreactors, uranium bioreduction, clinical trial outcomes, and nitrous oxide production by ammonium-oxidizing bacteria. Collaborated with consulting partners at Brown and Caldwell and bioreactor modeling firm, Dynamita.


David McCord

DIRECTOR OF CONVEYANCE SYSTEMS

 313-999-2646

 9300 W. Jefferson, Detroit, MI 48209

 David.McCord@glwater.org

CAREER SUMMARY

Exemplifies great leadership while building rapport and trust with his team that continues to do excellent work protecting public health and communities through the Combined Sewer Overflow (CSO) facilities. Works to translate his passion and work on the CSO facilities to additional wastewater conveyance system assets including the interceptors, pump stations, outfalls, system gates, etc. while holding accountability to provide exceptional service and ensure reliability of the facilities of responsibility.



Academic Qualifications

BS, Technology Management,
Eastern Michigan University



Years of Experience

26



Certifications

Class C & D Municipal
Wastewater Treatment Operator
Certified Reliability Leader

Director of Conveyance Systems, Great Lakes Water Authority (GLWA), Detroit, MI

Responsible for managing operations and maintenance of CSO Facilities, sewage pump stations, and wastewater collection conveyance systems within the Greater Metropolitan Detroit Area.

Manager of CSO - Operations & Maintenance, Great Lakes Water Authority, Detroit, MI

Managed day-to-day operations and maintenance activities for eight GLWA and one Detroit Water and Sewerage Department CSO Facilities. Responsible for budget management, regulatory discharge overflow reporting requirements, and assuring the facilities remain in National Pollutant Discharge Elimination System requirements for operations and maintenance. Worked in conjunction with other GLWA departments and regional collection system stakeholders. Responsible for hiring new staff. Managed and created contracts. Assisted in the development of standard operating procedures for wet weather operations.

Team Leader, Great Lakes Water Authority, Detroit, MI

Managed projects and assigned tasks based on operational priority which included completing all local, State, Federal and GLWA required reports in addition to assisting with disaster preparedness. As team Leader, assigning shifts, work weeks, holiday coverage, etc. and tracking attendance for team members was a priority task along with training and developing staff. The responsibility of approved purchases, recommended operational efficiencies to ensure GLWA policies and procedures were adhered to were also included in being successful in this role.

Christopher Nastally, P.E.

DIRECTOR OF ENGINEERING

313-999-3529

9300 W. Jefferson, Detroit, MI 48209

Christopher.Nastally@glwater.org

CAREER SUMMARY

A well-organized leader with experience in design, construction, and wastewater facility operations with exceptional problem solving, organizational, and investigative skills. A leader who provides mentoring and inspires tomorrow's engineers to be the best they can be.



Academic Qualifications

BS, Civil Engineering,
Wayne State University



Years of Experience

32



Certifications

Professional Engineer: Michigan
Class D Municipal
Wastewater License

Director of Engineering, Great Lakes Water Authority (GLWA), Detroit, MI

Responsible for Capital Improvement Plan (CIP) development and delivery, budgeting, and management of wastewater engineering department (CIP plan \$1.4 Bn over 10-years). Developed CIP plan for improving all wastewater facilities (collection system, sewer pump stations, wastewater treatment plant, and combined sewer overflow facilities). Develop yearly engineering budget for training, conferences, and staffing. Assisted in development of Operations & Maintenance (O&M) and Capital budgets based on planned (and unplanned) engineering and construction projects. Developed organizational standards for wastewater engineering to ensure proper and consistent execution and documentation of projects for the CIP and O&M projects. Developed standard business processes for file organization, project organization, and individual project reporting. Provided training on all standard business processes. Led efforts to standardize engineering practices across all of GLWA to ensure how engineering projects, scopes of work, expectations, specifications, drawings, etc. are consistent from water engineering projects to wastewater engineering projects. Led the development of "living" drawings and models concept to ease the burden on tracking of future changes to GLWA facilities.

Manager - Combined Sewer Overflow (CSO) Control Program, Great Lakes Water Authority, Detroit, MI

Responsible for operations, maintenance and capital planning/execution of the CSO Control Program for GLWA. Developed CIP plan for improving the CSO Facilities. Initial start is to conduct a system-wide audit and condition assessment aimed at developing a scheduled replacement plan, needs assessment and 15-year CIP with projects identified and prioritized. Improve data for computerized maintenance management system. Led project aimed at better maintenance data collection, reporting, and efforts to improve equipment reliability. Led efforts to identify shortfalls in maintenance and develop solutions to address these with contracts or GLWA staff, examples include: switchgear maintenance contract, UPS maintenance, generator maintenance, and job order contracts/task order Engineering contracts. Manage/lead staff engineers in support of operations and maintenance, and capital improvements. We investigate operations and maintenance issues, assess, and develop a plan for resolving the issues.

John W. Norton, PhD, P.E.

DIRECTOR OF ENERGY, RESEARCH, & INNOVATION

313-964-9360

735 Randolph St, Detroit, MI 48226

john.norton@glwater.org

CAREER SUMMARY

Dr. John Norton is the Director of Energy, Research, and Innovation for the Great Lakes Water Authority (GLWA), one of the largest combined utilities in North America. GLWA treats more than 40% of the drinking water for the state of Michigan, including Flint, and roughly 30% of the wastewater for the state of Michigan at the world's second-largest wastewater treatment plant (1.7 billion gallons per day). John leads and directs research efforts ranging from source water monitoring, water quality and quantity within distribution systems, wastewater and stormwater collection optimization, and wastewater treatment, disinfection, and biosolids handling. He is vice president of the newly formed Midwest Biosolids Association, is Principal Investigator of the Department of Energy funded "Hydrothermal Liquefaction to Convert Organic Wet Wastes to Transportation Fuels" research project, is co-Principal Investigator of one of the four United States Environmental Protection Agency funded "Pollutants in Biosolids" research programs, is the incoming Chair of the AWWA Joint Section Research Committee and is Vice-Chair of the AWWA Utility Collaboration Subcommittee. John is chapter lead on two chapters in the forthcoming AWWA book on innovation "M82 Water Utility Innovation" and is currently under contract with Water Environment Federation (WEF) to develop the "Resource Recovery Handbook", combining WEF's previous books "The Nutrient Roadmap", "The Energy Roadmap", and "The Water Reuse Handbook." John was recently appointed to Michigan State University's new Water Alliance External Advisory Committee. One of his main day-to-day tasks is trying to improve the alignment between academics and technology development firms and the realities of engineering, operating, and maintaining water and wastewater treatment operations.



Academic Qualifications

Ph.D, Civil Engineering,
University of Michigan



Years of Experience

28



Certifications

Professional Engineer: Michigan

Director of Infrastructure Special Projects, Great Lakes Water Authority (GLWA), Detroit, MI

Dr. John Norton is Director of Energy, Research, and Innovation for GLWA, a combined water/wastewater utility in Southeast Michigan. GLWA treats more than 40% of the water, and 30% of the wastewater, for the state of Michigan. Norton leads GLWA's research efforts to understand, extend, and enhance its linear and process infrastructure and directs projects ranging from source water monitoring and distribution system water quality, through to energy extraction from biosolids.

S. M. Salim, PhD, MBA, PEng, PMP, CMRP, MLA

DIRECTOR OF MAINTENANCE

📞 313-500-4988

📍 9300 W. Jefferson, Detroit, MI 48209

✉️ S.Salim@glwater.org

CAREER SUMMARY

Strategic and data-driven mechanical engineer with Sigma & Lean based continuous improvement experience. Excels in collaborative partnerships to drive a strong Reliability and Maintenance Engineering program improving equipment and asset lifecycle. Deep-level understanding of the entire holistic spectrum of Project and Stakeholder Management. Exceptional ability to prioritize, multi-task and achieve business objectives with safety and quality. Provides leadership, managerial & technical support involving both union and non-union leaders & technicians.



Academic Qualifications

Ph.D, Mechanical Engineering,
University of Sheffield



Years of Experience

22



Certifications

Professional Engineer, Ontario
Certified Maintenance & Reliability
Professional
Project Management Professional

Director of Maintenance, Great Lakes Water Authority, Detroit, MI

Drives the Reliability Maintenance Engineering (RME) efforts and initiatives to maintain more than 600 assets across eight process areas at the Water Resource Recovery Facility while continuously striving for the most optimum equipment life cycle with the highest overall equipment effectiveness.

Senior Launch Program Manager, Daifuku, Baltimore, MD

Responsible for driving RME program, root cause analysis (RCA), permanent corrective action, failure modes and effect analysis (FMEA), and overall equipment effectiveness for Amazon legacy & launch sites across the country. Supervised vendor qualification, equipment installation and throughput qualification before operation handoff. Coordinated as the point of contact for equipment design for safety and reliability with external stakeholders. Reviewed engineering drawing, PM/PdM program, key performance indicator scorecard based on production requirements. Managed hiring, staffing and training progress and technical support to RME team leading performance. Drove computerized maintenance management system spare parts receiving and base building asset management program of HVAC and utilities.

RCM Engineering Manager, United States Steel, Ecorse, MI

Performed process optimization of natural gas, nitrogen, and pulverized coal usage saving \$14K per month. Developed oil storage and oil test analysis program for the ironmaking division saving maintenance cost 15%. Redesigned scale car DC traction motor mount assembly through RCA and FMEA improving 13%. Optimized PM/PdM and safety program by implementing best practices and standard operating procedures across ironmaking division.

RCM Manager, Canfor, Prince George, British Columbia, Canada

Optimized process leading to \$9,000k savings per month based on RCFA and FMEA. Monitored key performance indicators and performed root cause failure analysis eliminating top three 45% bad factors. Developed work safe and maintenance procedure cutting down the safety incidences by 70%. Provided technical support to other areas by sharing knowledge and continuous improvement.

Christopher VanPoppelen

DIRECTOR OF OPERATIONAL TECHNOLOGY

📞 313-999-3529

📍 9300 W. Jefferson, Detroit, MI 48209

✉ Christopher.VanPoppelen@glwater.org

CAREER SUMMARY

Chris brings a wealth of knowledge and skills to his new position. During his tenure, he began as an Engineering Technician and advanced to a Manager before serving in his new role as Director of Operational Technology. In this role, he focuses on creating and implementing a strategic plan for the continued deployment of operational technologies and program enhancements. Chris is also responsible for the integrity and resiliency of the facilities' control systems, including the strategy, design, implementation, and maintenance of the Supervisory and Control and Data Acquisition (SCADA) system.



Academic Qualifications

BS, Electrical Engineering,
Michigan Technological University



Years of Experience

32



Certifications

Instrumentation Accreditation:
Instrumentation Society of
America

Director of Operational Technology, Great Lakes Water Authority (GLWA), Detroit, MI

Manages the Operational Technology (OT) Infrastructure, OT Applications and OT Cybersecurity systems at GLWA. The Operational Technology systems are used at GLWA facilities to treat and convey wastewater. These systems include controllers, servers, workstations, and the network. The OT team provides a wide array of control services including engineering, system administration and maintenance.

Process Control Center Manager, Great Lakes Water Authority, Detroit, MI

Supervised a staff of 30 team members as they operate, maintain and provide a wide range of services to ensure the reliable and efficient treatment of wastewater at the Water Resource Recovery Facility and nine Combined Sewer Overflow Facilities. Managed the organization to meet the established key performance indicators. Supervised installation or renovation of capital budget projects. Implemented and utilized control systems to ensure technology maximizes operational performance. Participated in identifying corporate goals, as well as strategic and business planning and evaluation. Participated in the implementation of new initiatives.

Process Control Center Team Leader, Great Lakes Water Authority, Detroit, MI

Supervised 3 Teams and a staff of 30 and managed a \$7,000,000 budget for the Process Control System Team to provide reliable control systems that efficiently monitor and control its processes to ensure safe, secure, and efficient operation. Maintained, engineered, and administered control systems at the WRRF and CSO Facilities. Ensured data integrity and availability so that all regulatory-required data is collected, quality assured, and reported to the appropriate agencies. Responsible for interpreting, planning regulatory compliance and Executing all Regulatory Reporting including National Pollutant Discharge Elimination System and air emissions. Provided data extraction and reporting of laboratory and process data for internal and external customers.

Christopher Wilson, P.E., CAP, CDT

SPECIAL PROJECTS MANAGER

313-402-6345

9300 W. Jefferson, Detroit, MI 48209

Christopher.Wilson@glwater.org

CAREER SUMMARY

Chris Wilson has extensive experience in controls, process and chemical engineering, including the design, construction and troubleshooting of electrical systems, process controls and equipment, specializing in water and waste water treatment systems. He conducts all project phases, including design, equipment selection, installation, construction, start-up, and trouble-shooting. His background includes programmable logic controllers, human machine interfaces, input/output devices, supervisory control and data acquisition systems, and control systems that interface with plant equipment.



Academic Qualifications

BS, Chemical Engineering,
California State Polytechnic
University



Years of Experience

27



Certifications

Professional Engineer: Michigan
Certified Automation Professional
Certified Document Technologist

Special Projects Manager, Great Lakes Water Authority, Detroit, MI

Develops code and programs for PLCs by designing controls strategies based on process flow diagrams and process instrumentation diagrams (P&IDs). Utilizes existing client standards and develops new standards if needed for equipment controls and combines these standards with the equipment design to write the PLC code. Enhances and debugs code after conducting internal testing, factory acceptance testing, and site acceptance testing (SAT). Designs and configures computer and PLC-based networks, selects appropriate input and output (I/O) devices, and ensures design coordination between facility operating needs and plant process control requirements. Also designs and configures regulatory supervisory control and data acquisition systems, including software design, component selection, and implementation of RAID 1&5 SQL historian.

Creates operations and maintenance manuals, start-up and test procedures, training materials and coursework, quickstart guides, controls narratives, benchmarks, and equipment checkout commissioning. Manages construction activities so that facility down time is eliminated or significantly minimized. He communicates with the clients' Health & Safety, Environmental, Plant Operations, UAW Trades, and corporate staff, coordinates communication between the client and contractors, conducts safety audits and Toolbox Talks, answers Requests for Information and other construction related inquiries, oversees contractors, and coordinates the onsite reviews and testing requirements by inspectors and agencies.

Projects have included the Detroit Water and Sewerage Department Chlorine Gas Detection System and Total Hydrocarbon Continuous Emissions Monitoring System, the Ypsilanti Community Utilities Authority McGreggor Pump Station, the Grand Rapids Waste Water Treatment Plant upgrades, the Oklahoma City Booster Pump Station Design, The Boulevards at South Bay Groundwater Treatment Plant, and the Rockwell Automation Water/Wastewater Accelerator tool kit.