

BRIAN D. STEGLITZ, P.E.

mail: 400 Mark Hannah Place, Ann Arbor, MI 48103 email: bsteglitz@a2gov.org

EDUCATION

Stanford University, Stanford, CA

M.E., Civil/Environmental Engineering

September 1994

Thesis: *Approaches for Reducing Metal Discharges from Small Businesses to the Palo Alto Water Quality Control Plant*

M.S.E., Civil/Environmental Engineering

June 1993

Yale University, New Haven, CT

B.A., Economics and Political Science, *Cum Laude*

May 1990

EXPERIENCE

Ann Arbor Water Treatment Plant, Ann Arbor, MI

Water Treatment Services Unit Manager

October 2014 - present

Senior Utilities Engineer

September 1997 – October 2014

Responsible for production, operations, engineering, maintenance, asset management, and laboratory functions of the Ann Arbor Water Treatment Plant (50 MGD) including pump stations, dams and hydroelectric operations. Work involves: staff management; supervising construction activities; specifying treatment process operating parameters and procedures; developing and implementing annual operation, maintenance, and capital budgets; emergency response; master planning; and preparing, negotiating, and managing contracts.

- ***Personnel Management/Technical Support***

Supervise assistant plant manager, maintenance supervisor, laboratory supervisor, SCADA network administrator, and administration staff. Supervise Consultants on design and construction services work performed on capital projects. Provide technical support to Field Operations Service Unit for sanitary, storm, parks, and water meter projects. Manage City cellular tower installations including preparation of lease agreements and lease amendments.

- ***Management and Leadership***

Responsible for the planning, design, and construction of all capital projects. Managed \$10 million high service pump station project and DOE-funded wind turbine demonstration project. Recently completed a \$7 million pump station and equalization tank project to comply with Filter Backwash Recycle Rule; a \$2.2 million pressure correction project that involved building a new water tower and several distribution system modifications; and a \$1 million canoe passage (“Argo Cascades”).

- ***Planning and Regulatory Compliance***

Manager of Alternatives Analysis Project for replacement of 22 MGD lime softening basins at the Water Treatment Plant (projected to be the largest water system project ever completed in the City of Ann Arbor). Program Manager for Drinking Water Revolving Loan Fund program for all City water system projects. Responsible for leading capital improvement planning for Water Treatment Services Unit. Responsible for ensuring regulatory compliance for MDNRE- and FERC-regulated dams. Coordinated development of Strategic Plan for Water Utilities (2001).

- ***Community and Customer Service/Engagement***

Technical advisor on 2015 water and sewer Cost Recovery Study. Regularly interact with community and customers by conducting public meetings. Develop and present information to City Council, Planning Commission, and Public Art Commission.

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EXPERIENCE (continued)

- ***Operations and Maintenance***

Provide on-call support and emergency response. Work with Water Utility Supervisor to optimize use of Computer Maintenance Management System. Coordinator of energy conservation activities at the Water Treatment Plant. Manage start up of new treatment processes. Define priorities for maintenance of water treatment system infrastructure.

CH2M HILL, Inc., Herndon, VA

October 1994 - September 1997

Project Engineer/Manager

Responsible for design, implementation, and management of numerous environmental projects, including wastewater treatment plant design and construction, remedial investigations, and feasibility studies. Working experience with environmental legislation. Clients served include federal and state agencies, trade associations, and private industry. Specific projects include:

- ***Project Management***

Project manager for oversight of remedial action at a USEPA Region III Superfund site, two industrial waste source surveys for the Department of Defense, and several construction oversight and environmental investigation projects for the Metropolitan Washington Airports Authority.

- ***Construction Management***

Site manager for \$1 million construction of three wastewater treatment plants for electric utility in New York City. Responsibilities included day-to-day management of contractors, inspection of contractors' work, start-up of each plant, temporary operation of each plant, and operator training for utility personnel.

- ***Design***

Lead process engineer for design of several groundwater pump and treatment systems at Superfund and active industrial sites. Treatment processes designed include: air strippers, UV/peroxide oxidation systems, metals precipitation, sedimentation, and liquid and air phase carbon adsorption.

- ***Regulatory Compliance and Process Engineering Studies***

Lead process engineer for studies at utilities in Pennsylvania, Connecticut, and North Carolina to help them comply with their NPDES permit limits. Responsibilities included management and execution of sampling events, compilation and analysis of collected data, and presentation of results to client.

- ***Economics***

Lead economist for bond feasibility and rate studies for water utilities in New Jersey and Virginia.

Palo Alto Water Quality Control Plant, Palo Alto, CA

June 1993 - September 1994

Engineer

- Analyzed sources of and potential removal mechanisms for selected metals from wastewater.
- Summarized water reclamation options.
- Identified pollution prevention projects for industrial dischargers of metals and evaluated financing alternatives for businesses to implement identified projects.

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EXPERIENCE

(continued)

ICF Kaiser Incorporated, Fairfax, VA

August 1990 - August 1992

Analyst

- Projects involved environmental risk assessment and economic analysis.
- Developed documents on various hazardous and solid waste regulatory issues.
- Assessed the regulatory and economic impact of current and developing regulations.

LICENSES

Professional Engineer, Michigan

Licensed Water Treatment Plant Operator, Michigan (F-1 and S-3 Licenses)

SKILLS, TRAINING & AFFILIATIONS

The Water Research Foundation – Board Member (June 2017 – present)

21st Century Infrastructure Commission – Appointed by Governor Rick Snyder (March 2016 – January 2017)

American Water Works Association

Vice President (June 2015 – June 2016)

Director (2012 – present)

Chair of Planning and Strategy Committee (2011 – present) Led development of Strategic Plan for the Michigan Section.

Leadership Ann Arbor (2010 Graduate)

American Society of Civil Engineers

SELECTED PUBLICATIONS & PRESENTATIONS

Presented on PFAS at AWWA Conferences and Regional Meetings, regional Firefighter meeting, Town Hall meetings in Southeast Michigan, WEMU radio, Community Television – The Green Room, and The Michigan Daily podcast

Co-Author of *Rates-Perks of Seeing the Peaks: Evidence-based Rate Structures* published in Waterworks News (Summer 2018)

Co-Author of *They say oil and water don't mix...but how about art and water?* presented at the AWWA National Conference in Chicago, IL (June 2016)

Co-Author of *Water Supply Reliability Planning for the City of Ann Arbor* presented at the Michigan Section Annual Conference (September 2015)

Co-Author of *Emergency CIPP Rehabilitation of Critical 24" Water Supply Pipe* presented at the Michigan Section Annual Conference (September 2014)

Co-Author of *Batch Slaking System Improves Lime Storage and Feed Processes* presented at the Michigan Section Annual Conference (September 2013)

Co-Author of *Manual of Water Supply Practices M47 Capital Project Delivery - Second Edition* American Water Works Association (2010)

Co-Author of *Customer-Driven Water Quality Goals* presented at the AWWA National Conference in San Diego, CA (June 2009)

Author of *Introduction to Ozone* presented at the UP Water Works Institute (May 2009)

Co-Author of *Distribution System On-Line Monitoring for Detecting Contamination and Water Quality Changes*, AWWA Journal (July 2008).

Co-Author of *On-Line Water Quality Monitoring, Mission Impossible* presented at the Michigan Section Annual Conference (September 2006)

Co-Author of *City of Ann Arbor Multi-Objective Monitoring Location Strategy* presented at Water Distribution Security Conference, Cincinnati, OH (2006)

Author of *New Technology Enhances Old Filtration Infrastructure* presented at the AWWA National Conference in Anaheim, CA (June 2003)

Author of *How to Lower Your Electric Bill: A Utility Case Study* presented at the AWWA National Conference in Washington, DC (June 2001)

SCADA System Modifications to the City of Ann Arbor Water Treatment Plant presented at the AWWA Regional Meeting in Ann Arbor (April 2000)