



Executive Summary

The Aqua-Aerobic Systems, Inc. Intern Program provides students the opportunity to learn and gain practical experience in a hands-on environment within a leading equipment manufacturer in the wastewater industry. Students are immersed into the work environment and given a project to complete during their internship. These projects consist of real world experience, which allows the intern to apply knowledge that contributes to the overall business and develop skills related to their program of study.

Aqua-Aerobic Systems is a growing company with many technological and personal development opportunities. We're continually looking for new talent to join our community and help to further our mission of making a good company a great one.

1. Introduction

Aqua-Aerobic Systems is offering internships during the 2018 summer season. In each, the selected intern shall undertake the assigned study, write a report, and present the project and findings to a panel of Aqua-Aerobic Systems' Executives and Engineers.

During the course of the internship, core duties will include sample collection, lab testing, data analysis, technical writing, and, if warranted based on the scope of the study, overnight travel.

2. Tasks and Deliverables

Within the selected study, the intern shall meet with the Applications Engineering Manager on a routine basis to report on the current status and discuss the progress and particulars of the project. Throughout the term of the internship, the intern shall be responsible for the following:

- 2.1. Creating a project outline.
- 2.2. Maintaining the project schedule and ensuring that tasks are completed in an efficient and timely manner.
- 2.3. Generating sampling and testing protocols and identifying sampling locations.
- 2.4. Collecting samples, and performing lab work and data analysis.
- 2.5. Creating a detailed written report and PowerPoint presentation summarizing project and findings.

- 2.6. Presenting the project summary and findings to Aqua-Aerobic Systems' panel at the conclusion of the internship.

3. Potential Fields of Study

Aqua-Aerobic Systems places a high value on continued innovation and demonstrates this through our ongoing research and development of new products and technologies and further development of our existing capabilities to service customers now and in the future. The studies listed below are integral to this continued innovation. The exact scope of each Internship Study will depend on the status of our ongoing projects at the start of the internship.

3.1. Metals removal across Aqua-Aerobic Systems' Biological Processes

Objective: To determine the extent of metals removal achieved through Aqua-Aerobic Systems biological processes and evaluate possible optimization steps for increased removal efficiency.

- 3.1.1. Metals of interest include: aluminum, copper, zinc, lead, etc.
- 3.1.2. Processes of interest include: AquaSBR®, and AquaNereda®
- 3.1.3. Research for this can be conducted at Aqua-Aerobic Systems' Demonstration Facility at the Rock River Water Reclamation District in Rockford, IL, and/or at full scale installations.

3.2. Metals removal across Aqua-Aerobic Systems' Cloth Media Filters

Objective: To determine the extent of metals removal achieved through Aqua-Aerobic Systems Cloth Media Filtration technology and evaluate possible optimization steps for increased removal efficiency.

- 3.2.1. Metals of interest include: aluminum, copper, zinc, lead, etc.
- 3.2.2. Media of Interest may include: OptiFiber® PA2-13, OptiFiber® PES-13, OptiFiber® PES-14, OptiFiber® PF-14, and/or OptiFiber® UF-SD9.
- 3.2.3. Research for this can be conducted at Aqua-Aerobic Systems' Research and Technology Center at the Rock River Water Reclamation District in Rockford, IL, and/or at full scale installations.

3.3. Evaluation of Cloth Media for new application opportunities

Objective: To determine the capabilities and efficiency of select Cloth Media type(s) in removing target constituents from wastewater under various conditions.

- 3.3.1. This study will encompass the current interests surrounding Aqua-Aerobic Systems' OptiFiber® Cloth Media and its possible use in removal of Cryptosporidium and Giardia, algae or other constituents from a waste stream.
- 3.3.2. This testing can be done using our latest media.
- 3.3.3. Research for this can be conducted in Aqua-Aerobic Systems' in-house laboratory facilities and/or at our Research and Technology Center at the Rock

River Water Reclamation District in Rockford, IL.

3.4. Validation of Aerobic Granular Sludge Technology in United States domestic wastewater

Objective: To validate aerobic granular sludge technology in United States domestic wastewater and demonstrate the flexibility of operations within the system.

- 3.4.1. Areas of interest include: alpha factors, reactor depth, variable influent conditions, stress testing, etc.
- 3.4.2. This internship may include interfacing with the AquaNereda® Demonstration Facility Steering Committee, which includes high level consulting engineers, leading researchers within academia and major municipalities.
- 3.4.3. Research for this will be conducted at Aqua-Aerobic Systems' Demonstration Facility at the Rock River Water Reclamation District in Rockford, IL.

4. Additional Potential Opportunities during Internship

Each intern may also have the opportunity for additional experience within Aqua-Aerobic Systems as time permits. The following are examples of possible opportunities:

1. Introduction to project design with an Application Engineer,
2. Pilot unit maintenance with an R&D Engineer,
3. Attend an Aqua-Aerobic Systems' Products and Processes seminar.



AQUA-AEROBIC SYSTEMS, INC.
A Metawater Company

COMPANY **P**ROFILE AND **C**APABILITIES

GENERAL INFORMATION

ABOUT OUR COMPANY

Aqua-Aerobic Systems, Inc. is a leader in adaptive water management solutions for municipal and industrial markets worldwide, since 1969. Our expertise in aeration and mixing, biological processes, cloth media filtration, membranes, disinfection, and control and monitoring systems allows us to provide you with adaptive water management solutions at the lowest life cycle cost. Our proven technologies meet the most stringent wastewater effluent requirements including enhanced biological nutrient removal, phosphorus removal and water reuse, as well as TTHM removal and ultrafiltration in potable water applications. Our technologies are designed to easily accommodate changing effluent demands.

MISSION

Make a Good Company a Great One!

STRATEGIC INTENT

To build Aqua-Aerobic Systems, Inc. into a global technology leader that provides water treatment solutions for aeration/mixing, biological processes, filtration, disinfection, and aftermarket sales and services. To grow our company through technological leadership and partnerships with our customers. To uphold the values that have been the key to the success of Aqua-Aerobic Systems, Inc.



Peter G. Baumann, MBA
President & CEO



Kevin Heasley
Vice President, Operations



James Horton
Vice President, Process Group



William G. Decker
Vice President & General Manager,
Equipment and Services Group



Scott R. Willis
Vice President &
Chief Financial Officer

GENERAL INFORMATION

ENGINEERING EXPERTISE

Aqua-Aerobic Systems, Inc. has a full staff of process and mechanical engineers, several of which hold advanced degrees in civil, chemical, mechanical and electrical engineering. Our engineers evaluate over 1,000 designs a year.

Total Employees	150 (office and manufacturing)
Administration	13 Technical Managers & Officers
Domestic Sales	4 Regional Managers
International Sales	1 International Business Manager
Industrial Sales	1 Industrial Business Manager
Manufacturing	1 Manager 9 Shop Employees
R & D	5 Degreed Engineers and Support Personnel
Project Management	1 Vice President 4 In-house representatives
Equipment & Services Group	3 Managers



FINANCIAL INFORMATION

Aqua-Aerobic Systems, Inc. is a well financed company with sales approaching \$100 Million. Aqua-Aerobic Systems, Inc. also has extensive bonding capabilities.

Primary Banking	BMO Harris Bank, Rockford, Illinois
Auditors	RSM McGladrey, Rockford, Illinois

FACILITY

125,000 square feet office and manufacturing (25% office space and 75% manufacturing space)

TEST FACILITY

250,000 gallon (950 m³) test tank
55,000 gallon (209 m³) test tank

LOCATION

- 70 mi. (112 km) northwest of O'Hare Airport - Chicago, IL
- 120 mi. (192 km) southwest of Milwaukee, WI

RESEARCH & TECHNOLOGY CENTER

Located at the Rock River Water Reclamation District, this on-site research facility allows Aqua-Aerobic to conduct extensive research and testing on new products and process concepts.

REPRESENTATION

150 Sales Representatives in the US, Canada, Mexico and throughout the world. Most are graduate engineers and have design capabilities.

MARKETS

85% United States, Canada, Virgin Islands
15% International

INSTALLATIONS

More than 10,000 installations worldwide



COMPANY HISTORY

In 1919, Rockford, Illinois was a rapidly growing riverfront community. Race Street, in the center of town, was home to Solem Machine Company, a respected manufacturer of woodworking equipment. As the city grew and thrived, so did the company. In 1958, larger facilities were needed and the company moved to 6306 N. Alpine Road.

In 1964, a group of investors, including Aqua-Aerobic Systems, Inc. President, John D. Brubaker (retired), purchased this well established manufacturing firm. With an eye toward the future, these investors considered the changing market needs and began expanding the product line. Soon after, the company was positioned to meet the demands of a new and growing environmental industry. In 1969, Solem Machine Company purchased Aqua-Aerobic Systems and began manufacturing its own line of surface aerators, the Aqua-Jet®. The Aqua-Jet® aerator quickly revolutionized the aerator industry, which led to the company phasing out its other product lines and shifting its focus exclusively to wastewater treatment. In 1976, that commitment resulted in Solem Machine Company's decision to legally adopt the name Aqua-Aerobic Systems, Inc.

In 1989, an additional 35,000 square feet of office and manufacturing space was constructed to accommodate the company's rapid growth. Due to increased requests for Aqua's technical seminars and an increase in local business due to growth of the Chicago suburbs, Aqua-Aerobic once again expanded its facilities. In April 2005, another 25,000 square feet was added to the existing building for new, state-of-the-art seminar facilities, more meeting areas, a formal lunchroom, and new offices. The exterior of the new building is environmentally friendly, utilizing glass to promote natural heat and lighting. The existing building was renovated and included conversion of 4,800 square feet of office space into manufacturing space. Existing office areas were also remodeled to coincide with the interior of the new building. Construction was complete in Spring 2006 and included space for company growth. The new high-tech facilities allow Aqua-Aerobic to accommodate larger seminar audiences and to provide remote webcasts.

In 2016, Aqua-Aerobic Systems merged with Metawater Co., Ltd., (Tokyo, Japan) an international company and leading supplier of advanced water and wastewater solutions. Currently, Aqua-Aerobic employs approximately 140 persons in manufacturing, engineering, sales/marketing and administration. The company's product line includes: surface aerators, diffused aeration systems, surface spray coolers, direct-drive mixers, batch reactor systems, cloth media filters, sand media filters, membrane systems, control panels, and process management control systems.

The company's dedication to research and development ensure the availability of products to meet unique applications and changing requirements. Aqua-Aerobic has gained recognition for quality products. Our commitment to environmental preservation and product integrity ensures continued success well into the 21st century.

PATENTS

Aqua-Aerobic Systems, Inc. holds 45 patents for processes and equipment used in wastewater treatment systems.

PRODUCTS AND SYSTEMS

Aeration & Mixing

Aqua-Jet® Surface Mechanical Aerator
Aqua-Jet II® Contained Flow Aerator
AquaDDM® Direct-drive Mixer
Fold-a-Float® Self-deploying Segmented Float
Aqua CB-24® Coarse-bubble Diffuser
Aqua EnduraDisc® Fine-bubble Disc Diffuser
Aqua EnduraTube® Fine-bubble Tube Diffuser
OxyMix® Pure Oxygen Mixer

Biological Processes

Aqua MixAir® Aeration System
AquaSBR® Sequencing Batch Reactor
AquaNereda® Aerobic Granular Sludge Technology
Aqua MSBR® Modified Sequencing Batch Reactor
AquaPASS® Phased Activated Sludge System
Aqua BioMax™ Dual Treatment System
AquaCAM-D® Combination Aerator/Mixer/Decanter

Filtration

AquaDisk® Cloth Media Filter
Aqua MiniDisk® Cloth Media Filter
Aqua MegaDisk® Cloth Media Filter
AquaDrum® Cloth Media Filter
AquaDiamond® Cloth Media Filter
AquaPrime® Cloth Media Filter
AquaABF® Automatic Backwash Filter
OptiFiber® Cloth Media
OptiFiber PES-13®
OptiFiber PA2-12®
OptiFiber ACR-13®
OptiFiber PES-14®
OptiFiber PF-14®
Turbillite® Backwash System

TYPICAL INDUSTRIES SERVED

- Pulp & Paper
- Food/Dairy
- Beverage
- Chemical
- Petroleum/Petrochemical
- Textile
- Energy/Utility
- Pharmaceutical

Membranes

Membrane Systems - Polymeric and Ceramic
Aqua MultiBore® Ultrafiltration Membranes
Aqua MultiBore® C-Series Ceramic Membranes
AquaMB Process® Multiple-Barrier Membrane System
Aqua-Aerobic® MBR Membrane Bioreactor System

Disinfection

Aqua ElectrOzone™ Ozone Generation System

Controls and Monitoring

IntelliPro® Monitoring and Control System

Aftermarket

SpareCare® Parts Replacement Program



COMMUNITY INVOLVEMENT

Aqua-Aerobic Systems takes pride in its donations to over 90 organizations. A large portion of its contributions go to United Way, Rockford University, and Rock Valley College Foundation.

MEMBERSHIPS

- American Membrane Technology Association (AMTA)
- American Society for Quality
- American Water Works Association (AWWA)
- Business for the Bay
- Clean Water Alliance
- Illinois Chamber of Commerce
- Illinois Manufacturers' Association
- International Association on Water Quality (IAWQ)
- International Desalination Association (IDA)
- International Ozone Association (IOA)
- National Association of Manufacturers
- Technical Association of Pulp & Paper Industry (TAPPI)
- Water Environment Federation (WEF)
- Water & Wastewater Equipment Manufacturers Association (WWEMA)
- WaterReuse Association

RECOGNITIONS

- Nothern Illinois Business Hall of Fame
- Exporter Continuing Excellence Award
- Manufacturer of the Year Award from Rockford Chamber of Commerce
- Special Congressional Recognition
- WWEMA Diamond Award
- Outstanding Corporation Award from the City of Rockford
- Innovative Technology Award from WEF - 2008, 2011
- Export Achievement Certificate from the U.S. Dept. of Commerce

TRAINING AND EDUCATION

Structured training seminars are conducted by Aqua-Aerobic personnel monthly, May through September. More than 30 Consulting Engineers, Plant Operators, and Municipal Officials typically attend these training seminars each month to learn about Aqua-Aerobic equipment and systems. Aqua-Aerobic Systems' engineering staff attends company sponsored seminars and workshops relating to the wastewater industry.





EMPLOYEE PROFILES

OFFICERS

Peter Baumann

Chief Operating Officer

M.S. degree in Business Administration/University of Wisconsin-Milwaukee. B.S. degree in Engineering; Experience in wastewater treatment industry since 1976, including 20 years at Envirex Corp.

William Decker

Vice President & General Manager, Equipment and Services Group

B.S. degree in Civil Engineering/USAF Academy, EIT/State of Colorado. Project Engineer since 1990. Experience in wastewater treatment industry since 1994, including Vice President of Biosolids at Ashbrook Simon-Hartley, and 2 years as President of Aquionics.

Kevin Heasley

Vice President, Operations

B.S. degree in Structural Design & Construction Technology/Penn State University. Experience in wastewater treatment industry since 1984.

James Horton

Vice President, Process Group

M.S. degree in Civil Engineering/Queensland University of Technology, Australia. B.S. degree in Chemical/Environmental Engineering/University of Queensland, Australia. Domestic and International experience in wastewater engineering since 1996 including positions with a consulting engineer and specialty wastewater contractor.

Scott Willis

Vice President & Chief Financial Officer

M.S. degree in Business Administration/Northern Illinois University, DeKalb, IL. B.S. degree in Accounting/Northern Illinois University, DeKalb, IL. AAS degree in Business from Rock Valley College, Rockford, IL.

TECHNICAL MANAGERS

Terence Reid, P.E.

Director of Research and Development

B.S. degree in Civil & Environmental Engineering/University of Wisconsin-Madison. Experience in wastewater treatment industry since 1989.

Robert Wiegand

Engineering Director

M.B.A. degree/University of Wisconsin-Madison. B.S. degree in Electrical Engineering Technology/Bradley University, Peoria, IL. 10+ years experience in paper industry with Beloit Corporation and experience in wastewater treatment industry since 2000.

David Smith

Mechanical Engineering Manager

B.S. degree in Mechanical Engineering/University of Wisconsin-Madison. Experience in wastewater industry since 2000. 4 years at Beloit Corp. as a design engineer. Received patents for tissue machine equipment.

Gary Lightfoot

Electrical Engineering Manager

A.A.S. degree in Electrical Technology/ Rock Valley College, Rockford, IL. Experience in the Electrical Engineering field since 1978.

ADMINISTRATIVE MANAGERS

Pamela Appino, P.H.R.

Director of Human Resources

B.S. degree in Administration of Criminal Justice/Bradley University, Peoria, IL. P.H.R. Certification from SHRM. Human Resources experience since 1991.

RESEARCH & DEVELOPMENT

Terence Reid, P.E., Director, Research & Development

Daniel Binder

Senior Chemist / Lab Supervisor

B.S. degree in Agricultural Science/Illinois State University. Experience in liquid separation/purification since 1984; WWT and industrial process streams including more than 8 years at Illinois Water Treatment Company as Senior R&D Project Chemist, R&D Project Chemist, and R&D Chemist.

Darryl Gravagno

R&D Engineer

B.S. degree in Environmental Engineering, University of Wisconsin - Platteville. A.A.S. degree in Science, Rock Valley College, Rockford, IL.



EMPLOYEE PROFILES

Eric Harweger

R&D Engineer

B.S. degree in Biological Systems Engineering/Iowa State University, Ames, IA. A.A.S. degree in Engineering Science, Highland Community College, Freeport, IL.

Lynn Peterson

R&D Specialist

A.A.S. degree/Rock Valley College, Rockford, IL.

Joe Campanaro

Pilot Engineering Manager

M.S. degree in Environmental Engineering/New York University, New York, New York. B.S. degree in Biology/Stony Brook University, Stony Brook, NY.

PROCESS GROUP

James Horton, Vice President, Process Group

Manuel de los Santos

Product Manager - Biological Processes

M.S. degree in Sanitary and Environmental Engineering/Universidad de Cantabria, Spain. B.S. degree in Civil Engineering/Universidad Nacional Pedro Henriquez Urefia, Santo Domingo, DR. Experience in wastewater treatment industry in application engineering since 2000. 2 years consulting engineer experience in the construction field.

Mark Hughes, P.E.

Product Manager - Filtration

M.S. degree in Environmental and Water Resources Engineering/The University of Texas - Austin. B.S. degree in Civil Engineering/University of Iowa, Iowa City, IA. Experience in wastewater treatment industry since 2008.

Brian Bates

Product Channel Manager - AquaNereda®

M.B.A degree/University of Phoenix and a B.S. degree in Environmental and Resource Sciences/Trent University, Peterborough, Ontario. Experience in wastewater industry since 1996 with roles from Field Technician, Field Engineering Manager, Product Development Manager, to Global Product Manager.

John Dyson

Product Channel Manager - AquaPrime®

B.S. degree in Chemistry/Longwood College, Farmville, VA. Experience in water/wastewater industry since 1991.

Dave Holland

Senior Application Engineer

A.A.S. degree in Technical writing/Rock Valley College. Experience in wastewater treatment industry since 1979.

Cheryl Kunz

Director of Marketing

B.A. degree in Business Management/Ashford University, Clinton, IA. Experience in wastewater industry business and marketing since 1989.

APPLICATION ENGINEERING

James Horton, Vice President, Process Group

Tamera Knapp

Application Engineering Manager

B.S. degree in Environmental Engineering/Michigan Technological University. B.S. degree in Environmental Liberal Arts/Northland College, Ashland, WI. Experience in wastewater treatment industry since 2004.

Angelica Davila

Project Application Engineer

B.S. degree in Environmental Engineering/University of Central Florida. Engineer-In-Training. Experience in wastewater industry since 2013.

Aaron Glauch

Project Application Engineer

B.S. degree in Environmental Engineering/Colorado School of Mines, Golden, CO.

Tyler Hammerle

Project Application Engineer

B.S. degree in Chemical Engineering/Miami University, Oxford OH.

Rungrod Jittawattananrat, Ph.D.

Project Application Engineer

Ph.D. degree in Civil Engineering/Polytechnic Institute of New York University. M.S. degree in Water and Wastewater Engineering/Asia Institute of Technology, Thailand. B.S. degree in Environmental Engineering/Chiang-Mai University, Thailand. Experience in waste water treatment industry since 1990.

Tatiana Mazzei

Project Application Engineer

M.S. degree in Engineering/University of Wisconsin-Milwaukee, WI. B.S. degree in Chemical Engineering/Universidad Metropolitana, Caracas, Venezuela. Experience in water and wastewater industries since 2007.



EMPLOYEE PROFILES

Sara Altimimi

Application Engineer

M.S. degree in Environmental Engineering, specializing in agri-wastewater treatment and design. B.S. degree in Environmental Engineering/University of Guelph, Canada. Experience in wastewater since 2009.

Sophia Bainbridge

Application Engineer

B.S. degree in Environmental Engineering/Michigan Technological University, Houghton, MI.

Mike Nora

Application Engineer

B.S. degree in Chemical Engineering/University of Illinois, Urbana-Champaign, IL.

Jakob Nowicki

Application Engineer

B.S. degree in Chemical Engineering/Michigan Technological University, Houghton, MI.

Brett Quimby

Application Engineer

B.A. degree in Japanese Language and Literature/University of Wisconsin, Madison, WI.

REGIONAL MANAGERS

James Horton, Vice President, Process Group

Scott Kelly

Regional Manager, West

B.S. degree in Chemical Engineering and Petroleum Refining/Colorado School of Mines, Golden, CO. Experience in wastewater industry since 1991.

Tom Miles

Regional Manager, Northeast

B.S. degree in Chemical Engineer/Penn State University, Centre County, PA. Experience in the wastewater industry since 1988.

Paul Nelson

Regional Manager, Southeast

B.S. degree in Business and Economics/Elmhurst College, Elmhurst, IL. Experience in wastewater industry since 1978.

Steve Stanish

Regional Manager, Midwest

B.A. degree in Business Administration/Washington & Jefferson College, Washington, PA.

Hui Lin, P.E.

Director of International Business

M.S. degree in Environmental Engineering/Polytechnic University of New York. M.E. degree in Environmental Engineering/National University of Singapore. B.S. degree in Biochemical Engineering/Beijing Institute of Chemical Technology. 6 years at Beijing Organic Chemical Works, 1 year at M+W Zander as Process Engineer.

J.P. Pasterczyk

Industrial Sales Manager

M.S. degree in Engineering Management/University of Colorado-Boulder, Boulder, CO with specialization in Business Performance Excellence & Applied Statistics. B.A. in Physics/Drexel University, Philadelphia, PA.

NEW BUSINESS DEVELOPMENT

Hironori Shimada

Sr. Project Manager/International Business Development Manager

B.A. degree in Legal/Ritsumeikan University, Kyoto, Japan. Experience in water and wastewater industry since 1998.

Mike Walworth

Director, New Business Development

B.A. degree in Business/Kennesaw State University, Kennesaw, GA. Experience in wastewater industry since 1999.

OPERATIONS

Kevin Heasley, Vice President, Operations

Gerald Schneider

Electrical Standards Supervisor

B.S. degree in Electrical Engineering/University of Wisconsin, Madison, WI. Experience in wastewater treatment industry since 1989.

Dan Durdan

Contract Engineering Supervisor

A.A.S. degree in Mechanical Engineering/IL Valley Community College, Oglesby, IL. Experience in Project Management since 2006.

Dave Johnson

Senior Electrical Engineer

B.S. degree in Electrical Engineering/Milwaukee School of Engineering, Milwaukee, WI.



EMPLOYEE PROFILES

Mike Hevey

Senior Electrical Engineer

A.A.S. degree in Electromechanical Technology/Chippewa Valley Technical College. 16+ years electrical controls engineering experience including control system and software validation and design, development, and implementation of systems incorporating PLC, HMI, SCADA, hardware design, power distribution, and MCC specification.

Dan Crews

Senior Electrical Engineer

A.S. degree in Electronic Technology/Rock Valley College, Rockford, IL. Experience in engineering since 1982.

Jeremy Try

Senior Electrical Engineer

B.S. degree in Electrical Engineering/SIU, Carbondale, IL. A.A.S. degree in Engineering/Rock Valley College, Rockford, IL. Experience in engineering since 1983.

William Brundige

Electrical Design Engineer

A.A. degree in Mechanical Drafting/Iowa Central Community College. 23 years experience in electrical and pneumatic control systems design and drawing standards. 20 years in the paper industry with Beloit Corporation and experience in the wastewater treatment industry since 2001.

Dennis Teeters

Electrical Design Engineer

Experience in controls/design field in ENG graphic design since 1980.

Brian Pass

Electrical Design Engineer

A.A.S. degree Electrical/Electronic Drafting/Herzing Institute of Technology, Madison, WI. Experience in the wastewater industry since 2000.

Brad Christian

Electrical Engineer

A.A.S degree Robotics/ Automation Technology, Indian Hills community College, Ottumwa, IA.

Randy Johnson

Electrical Engineer

Experience in Electrical since 1995.

SooMin Loh

Electrical Engineer

B.S degree in Electrical Engineering/Wright State University. 5 years in Power Design with ME Engineering Consultant and experience in ozone application with drinking/wastewater industry since 1991.

Junji Sakashita

Services & Electrical Engineer

Attended the Institute of Technology. Experience in the wastewater treatment industry, specifically ozone, since 2011 at Fuji Electric Corp. of America/Metawater USA.

Mark Lenox

Senior Mechanical Designer

A.S. degree in Computer Aided Mechanical Design (CAD)/Rock Valley College, Rockford, IL. Experience in the wastewater industry since 1995.

Joseph Massari

Senior Mechanical Designer

A.A.S. degree in Machine Design Technology/Rock Valley College, Rockford, IL. 20 years as a Design Engineer for Industrial Power Transmission Products, 11 years with Dynacorp Inc and 9 years with Warner Electric Brake & Clutch Co.

Jerry Machula

Senior Mechanical Designer

A.S. degree in Mechanical Design and CAD/Dunwoody Industrial College, Minneapolis, Minnesota. Experience in custom product design for mechanical, electrical, pneumatic, and hydraulic products. Experience in the wastewater industry since 2002.

Tim Austin

Mechanical Designer

A.A.S. degree in Computer Aided Mechanical Design/Rock Valley College, Rockford, IL. Experience in design engineering since 1997.

Beth Bahr

Mechanical Designer

A.A.S. degree in Mechanical Engineering/Blackhawk Technical College, Janesville, WI. Experience in wastewater treatment industry since 2001.

Scott Howarth

Mechanical Designer

A.A.S. degree in Mechanical Drafting/ Morrison Institute of Technology, Morrison, IL. Drafting experience since 2002.



EMPLOYEE PROFILES

Levi Bickle

Mechanical Designer

B.S. degree in Mechanical Engineering/Arizona State University, Tempe, AZ.

Frank Schmitz

Mechanical Engineer

B.S. degree in Mechanical Design Engineering/University of Iowa, Iowa City, IA.

Chris Carlson

Mechanical Designer

A.A.S degree in Engineering Technology-Design and Drafting/ Morrison Institute of Technology, Morrison, IL. Experience in wastewater treatment industry since 2007.

Rebecca Gernetzke

Mechanical Engineer

B.S. degree in Architecture/University of Cincinnati. Experience in wastewater industry since 2010 for Ozone Engineering and Project Management.

Michael McCormick

Mechanical Engineer

B.S. degree in Mechanical Engineering/University of Wisconsin, Madison.

Mike Schmitz

Senior Mechanical Engineer

B.S. degree in Mechanical Engineering/University of Wisconsin, Milwaukee, WI. Experience in wastewater treatment industry since 2008.

Gordy Brown

Senior Design Analyst

B.S. degree in Civil Engineering/Southern Illinois University. 6 years civil construction and mechanical design at various other companies before coming to Aqua-Aerobic. Skills in PLC's, AutoCAD, and RVC.

Scott Tripp

Design Analyst

Experience in engineering since 1989; wastewater treatment industry since 1995.

Alicia Groen

Design Analyst

A.A.S. degree in Construction Technology/Morrison Institute of Technology, Morrison, IL. Experience in the wastewater industry since 2008.

Mondi Anderson

Controls Engineer

B.S. in Computer Science/Neumont University, Salt Lake City, UT. Industry experience since 1998.

PROJECT MANAGEMENT

Kevin Heasley, Vice President, Operations

David Cornford

Project Manager

Attended University of Wisconsin. Experience in wastewater industry since 1975 including 10 years at Welles Products Corp.

Tom Fenton

Project Manager

A.A.S. degree in Civil Engineering/Williamsport College, Williamsport, PA. Over 15 years experience in Project Management including accounting, field service, and manufacturing.

Shareef Khoga

Project Manager

B.S. in Manufacturing Engineering/Northern Illinois University, Dekalb, IL.

Michael O'Neil

Project Manager

M.S. degree in Engineering/University of Illinois-Urbana. Experience in Process System Design, Operations and System Startups, and Project Management since 1997.

EQUIPMENT AND SERVICES GROUP

William Decker, Vice President & General Manager, Equipment and Services Group

Kent Drews

Customer Service Manager

B.S. degree in Electronic Technology/Northern Illinois University. Experience in project engineering since 1977 and customer service since 1986.

Paul Klebs

Aftermarket Sales Manager

B.S. degree in Chemistry/University of Wisconsin-Madison, WI. Graduate coursework in Environmental Studies/University of Wisconsin-Green Bay. Certified operator in the state of Wisconsin. Experience in the wastewater treatment industry since 1992.



EMPLOYEE PROFILES

Mark Herbig

Senior Engineer - Rotating Products

Attended Rock Valley College. Experience in the wastewater industry since 1974.

James Knight

Senior Engineer - Rotating Products

A.A.S. degree in Mechanical Design/Southeastern Iowa Community College, West Burlington, IA. Experience in design field since 1970; wastewater treatment since 1975.

Erich DeLang

Product Manager

B.A. degree in Political Science/Marquette University. CWS - Certified Water Specialist. MWS - Master Water Specialist.

Dawn Brady, P.E.

Application Engineer

M.S. degree in Civil Engineering/Southern Illinois University Carbondale. M.S. degree in Water Resources/National Cheng Kung University, Tainan, Taiwan. B.S. degree in Civil Engineering/Southern Illinois University Carbondale.

Doug See

Senior Field Service Specialist

Hands-on experience in operation and maintenance of WWTPs since 1978, including Nitrogen and Phosphorus removal. Attended Edinboro University/Edinboro, PA. Pennsylvania and Maryland Operator Certification, Class 5 wastewater, Class 6 Industrial wastewater and Class 4 water operations. Technical training by Allen-Bradley for PLC 5 processors. Classes in environmental training, including pumps, motors and controls as sponsored by the Maryland Center for Environmental Training.

Jim Kellogg

Senior Field Service Specialist

Experience in the wastewater industry since 1972, including 7 years experience as a field service representative with experience as an in-house technical advisor. Erection, start-up, troubleshooting and operator training for aerators, mixers, filters, diffused air systems, pumps, valves and control systems.

John Edelen

Field Service Specialist

B.S. degree in Science & Business Administration with concentration on Computer Science/University of Central Florida, Orlando, FL. Experience in Field Service since 1998.

James Howell

Field Service Specialist

A.A.S. degree in Mechanical Engineering/Ohio State University, Columbus, OH. Experience in engineering since 2004.

Curt Larson

Field Service Specialist

Experience in wastewater treatment since 2003.

Benjamin Morton

Field Service Specialist

PA DEP WasteWater Certificate. Experience in wastewater since 1998.

Tom Mowery

Field Service Specialist

Experience in wastewater treatment since 1996.

William Sims

Field Service Specialist

Experience in water treatment since 2001.

Geoffrey Smith

Field Service Specialist

B.S. degree in Electronics Engineering Technology/Grantham University, Lenexa, KS.

Tony Smith

Field Service Specialist

A.A.S. degree in Electronics Engineering Technology/ITT Technical Institute, Norwood, OH. Experience in wastewater treatment since 2003.

Tyrone Pratt

Technical Support Specialist

B.S. degree in Marketing from Southern Illinois University, Carbondale, IL. Over 20 years of experience as a Field Service Representative / Journeyman Electrician for industrial, commercial, and residential.

Luke Stockton

Technical Support Specialist

Attended Sauk Valley Community College/Dixon, IL.



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