DISTRIBUTION

DANIEL A. CARGNEL, PE
Project Manager, Buchart Horn, Inc.
With more than 30 years of professional experience, Mr. Carngel manages project and provides engineering support for water distribution projects. He has been a member of the AWWA since 2005.

DAVID T. LEWIS, P.E.
Education and Professional: Graduate of St. Mary’s High School in Ewing, New Jersey; Bachelor of Science in Environmental Engineering; Associate in Education – Engineering Technology; Occupation: Professional Engineer – PA, NJ, MA, MD, WV; General Manager – Columbia Water Company; Superintendent – Marietta Gravity Water Company; Certified Operator – PA Water/Wastewater. Business Affiliations: – National Association of Water Companies; Member American Water Works Association

SHARON DEL SIGNORE
Manager of Tank Industry Consultants’ East Region. Nicole Clarke serves as client liaison in the development and execution of tank rehabilitation and new tank construction projects throughout the eastern portion of the United States. She has been involved in the structural coatings industry for over 30 years.

KEITH DIXON
Corporate Attorney. Performs project management for Distribution Engineering Inspection Services. Director of Development of municipal marketing; Work as a Field Technician to ensure the specifications of the inspections are met. Assists with Preliminary Maintenance Inspections, Maintenance Inspections, and Warranty Inspections. Experience: Work as a Field Technician to ensure the requirements of the specifications are met. Assists with Preliminary Maintenance Inspections, Maintenance Inspections, and Warranty Inspections. Education: Bachelor of Science in Politics and Government from Pennsylvania State University – American Civil Engineering from Vellore Institute of Technology.

TORY WAGONER
Tory is a Young Professional and has more than six years of experience in GIS and data analytics tools. Varun is an engineer and data analyst who has experience in the infrastructure mapping and GIS industry for more than 11 years.

VARUN SEKAR
Varun is a Young Professional and has more than six years of experience in GIS and data analytics tools. Varun is an engineer and data analyst who has experience in the infrastructure mapping and GIS industry for more than 11 years.

WATER QUALITY

KAREN BENSON
Karen is a hydrogeologist whose experience includes over 20 years of implementation and management of drinking water quality assessment programs, permitting projects in the northeast. She has completed hydrogeologic investigations related to groundwater supply development, unidirectional flushing, leachate groundwater contamination, and Safe Drinking Water Act (SWDA) compliance assistance for private and public water utilities.

ALEX YAVICH
Alex is the founder and technical director at Optimization Solutions Environmental, LLC in Grand Rapids, Michigan. He has over 25 years of experience in environmental field, focusing on water and wastewater treatment. For the past 12 years he has been focusing on optimization of water treatment processes and operations. Alex has a bachelor’s degree and a master’s degree in chemical engineering and a PhD in environmental engineering. Prior to founding Optimization Solutions, Alex was an assistant professor at Michigan State University (East Lansing, MI).

PHYLLIS BUTLER POSEY
Vice President for Strategic and Regulatory Affairs, Wachs Water Services, Inc.
Phyllis has been designing, validating and implementing user-friendly systems for several decades. Currently she works with Wachs Water Services, Inc. as a strategic advisor and works with state governments and regulators on innovations in sustainable UV technology. She pioneered the field of software application development and has been presenting on the topic of automated UV disinfection performance testing and best practices over time. Phyllis serves on the AWWA disinfection committee and the small systems research committee. Phyllis actively participates in the UltraViolet Association where she has served on the Board of Directors since 2006, is on the technical committee and chaired the Ultraviolet Research and Education Committee. In Phyllis’s previous positions, she obtained Chinese government approval for a new rice seed hybridization technology, produced and distributed financial TV programs, designed user-centered systems for testing attack helicopters, business-to-business internet exchanges, software marketing and for the Internal Revenue Service communications. Phyllis holds a B.A. in pre-med from Stern College for Women and an M.S. in Journalism from Columbia University.

LORI BURKERT, P.G., Project Manager
Lori is a professional geologist with over 15 years of experience with water supply, source water protection, hydrogeology, and water quality. She is a Project Manager for Entech Engineering, and has a Bachelor’s of Science degree from Elizabethtown College and a Master’s of Science degree from Lehigh University. She is currently the Vice President of the PA chapter of the American Water Resources Association (PA AWRA).

STANLEY STATES
Stanley is an Instructor with the Texas A&M University, Engineering Extension Service. He has served in that capacity on a part time basis and full time basis for the past two years. In 2013, Stanley retired from the Pittsburgh Water and Sewer Authority (PWSA) after 17 years of service. While at PWSA, he held a variety of positions including Director of Water Quality and Production, and Director of Research. Mr. States holds an MS in Chemistry and a Ph.D. in Biology, and is a certified drinking water operator in Pennsylvania.

MANAGEMENT

VARUN SEKAR
Varun is a Young Professional and has more than six years of experience in Asset Management. Varun is a task lead and project manager for several utility asset management projects in Pennsylvania and the US East Coast. He has extensive experience in GIS and data analytics tools. Varun is an engineer and data analyst who has experience in the infrastructure mapping and GIS industry for more than 11 years.

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Non-Revenue Water and Bioenergy, providing technical oversight for CDE's TMDL implementation. Mr. Tom has recent experience implementing Masters Level Water Loss Control training with allan lambert, known internationally as the 'Godfather of Leakage Control'.

DICK MCDONNELL
Dick is a Business Development Manager for Schneider Electric’s Water Wastewater Competency Center. Dick has more than 30 years of experience developing, designing, and implementing control systems for automation, security, power distribution and data acquisition with a strong emphasis on achieving operational and energy efficiencies.

HENRY HUNT
Certified Professional Geologist (C.P.G.) Sr. Project Manager/Hydrogeologist; Ranney Collector Wells/ Layne Christensen, Bachelor’s Degree in Geology from Lafayette College. Henry has been working in the water supply field for over 38 years. His experience includes hydrogeological investigation for water supply systems, radial collector wells, vertical wells, and siting studies for surface water intakes. He has been involved with design, installation, maintenance and rehabilitation of collector wells, vertical wells, infiltration galleries, beach wells and surface water intakes throughout the United States and in South America. He is a Life member of the American Water Works Association, a member of the American Membrane Technology Association, a member of the American Institute of Professional Geologists. Henry specializes in the evaluation and development of water supply alternatives across countries and overseas.

ANDREW HOOD
Drew has more than 30 years of experience in the field of wastewater treatment for both municipal and industrial facilities. In his present role, he has 20 years of design, build experience. His experience includes design and construction of water and wastewater treatment plants, piping systems, pumping stations, force mains, water supply systems, sludge treatment, and odor control. Drew is the Director of Engineering at Keystone Engineering Group. Graduate from Villanova University in 1985 with a degree in Civil Engineering, Drew Hood has held his professional engineering license since 1991. He is a participating member of the Pennsylvania Water Environment Association (PWEA), Water Environment Association (WEF) and The Eastern Pennsylvania Water Pollution Control Operators Association. He is active in the PWEA wastewater reuse committee and the Eastern Operators Industrial Pretreatment Committee.

WATER QUALITY/ TREATMENT

CHRISTOPHER WALKER
Christopher is a registered professional engineer with 13 years of work experience specializing in the water industry. His expertise includes the design of surface water and groundwater treatment facilities, water distribution systems, water storage facilities, water system booster stations, and investigation/exploration/interpretation of hydrogeological data for groundwater well yields. Christopher has been involved in the design of more than 30 water treatment facilities utilizing such processes as manganese greensand pressure filters, granular activated carbon units, membrane filtration, arsenic removal systems, diffused aeration, conventional coagulation / flocculation / settling / filtration systems, as well as centrifuge and sand drying bed residuals management systems. While in graduate school Mr. Walker’s research evaluated, developed, and modeled control systems for Advanced System Monitoring (ASM) in coagulation/flocculation processes as well as dewatering applications. An active research group at the University of Delaware under the guidance of Dr. Steven Dentel was renowned for their work in coagulation/flocculation control technology. This work has been published by the Journal of Clorid Interfacce Science, American Water Works Research Foundation, Advances in Environmental Research, and Environmental Engineering Journal.

DOUGLAS CRAWSHAW
Water Quality Manager, The York Water Company
Mr. Crawshaw has 20 years of drinking water treatment experience. He has over 20 years of applied research with the Philadelphia Water Department, four years of operations with Aqua Pennsylvania, and three years with The York Water Company as the Water Quality Manager. Mr. Crawshaw has participated in and led research into enhanced coagulation for DBP control, ozone use for DBP reduction, ozone for metals control through BAF, enhanced coagulation for DBP control, ozone use for Mr. Crawshaw has been a member of the American Water Works Association for 20 years.

AMY GAO
Amy is a project engineer at CH2M Hill. She has experience in planning and design projects for both water and wastewater treatment systems and holds an M.S. in Environmental Engineering from The University of Texas at Austin and B.S. in Earth and Environmental Engineering from Columbia University.

RUSSELL FORD
Dr. Ford is CH2M Hill’s Global Service leader for Drinking Water and Reuse. He has more than 28 years of experience in developing, evaluating, and designing treatment processes to remove a variety of contaminants from drinking water. Dr. Ford has been performing bench, pilot and full-scale treatability research for optimization and design of treatment processes throughout his career. His current work is focused on the application of unit processes used in drinking water including disinfection systems such as ozone, chlorine dioxide, UV, and membrane filtration; high-rate clarification processes and coagulation chemistry. He has a Bachelor’s Degree in Chemical Engineering from the University of Illinois and PhD degrees in Environmental Engineering from Stevens institute of Technology. He is a past chair of the New Jersey Section’s Research Committee as well as a past-chair of the New Jersey Section AWWA. He is currently a trustee of AWWA’s Water Science and Research Division and a member of AWWA’s Standards Coordinating Committee. He is also a past-chair of AWWA’s Plant Operations Research Committee. He is an AWWA Fuller Awardee. He is currently an appointed member of EPA’s Science Advisory Board’s Drinking Water Committee. Dr. Ford is a licensed professional engineer and a licensed water treatment operator. He is also a board certified environmental engineer by the Academy of Environmental Engineers.

SANDRA KUTZING, P.E.
Sandra is a Project Manager for CDM Smith with 14 years of experience. Sandra’s work has included development of Water for People, Technical Programs and Strategic Planning Committees for the NJ Section.

LINDSEY OLSON, P.E.
Lindsey is a professional engineer at American Water with 16 years of experience in the water industry. She holds her B.S. from Rutgers University in Civil Engineering and is currently pursuing a M.S. in Civil Engineering from the University of Illinois and an M.S. in Civil Engineering from the University of Washington. Ms. Kutting is a member of the Water for People, Technical Programs and Strategic Planning Committees for the NJ Section.

MICHAEL MEHAFFEY, P.E.
Gannett Fleming Harrisburg, PA
Mike has been with Gannett Fleming for 10 years, is currently an Associate and is responsible for providing management, engineering, and operations service assistance on municipal water, wastewater, and stormwater assignments. He is well versed in collection, conveyance, and treatment facility systems, including water and wastewater treatment plants (WTP and WWTP), pump stations, transmission mains and stormwater systems. He has earned a B.S. in Civil Engineering from the University of Pennsylvania and a M.E. in Environmental Engineering from the Pennsylvania State University, and is a registered professional engineer in Pennsylvania.

TRISHA L.K. GRAVES, P.E., Gannett Fleming, Inc.
Trisha has been with Gannett Fleming for 6 years, and is a Project Engineer responsible primarily for the layout and design of water treatment plants and distribution pump stations through the development of plans and specifications for construction documents. She has earned a B.S. in Environmental Engineering from Pennsylvania State University and is currently pursuing a M.S. in Water Resources and Environmental Engineering from Villanova University.

JAMIE SHAMBAUGH
Jamie Shambaugh has been with Gannett Fleming for 17 years, is currently a Senior Associate and as Manager of the Water Process and Operations Group is responsible for a wide-range of water treatment process and operations projects. He has earned a B.S. in Environmental Engineering from Wilkes University and a M.E. in Environmental Engineering from the Pennsylvania State University, is registered professional engineer in Pennsylvania, Maryland, and Florida, and holds a Class A Water Operator license.

MIKE MEHAFFEY
Mike has been with Gannett Fleming for 10 years, is currently an Associate and is responsible for providing management, engineering, and operations service assistance on municipal water, wastewater, and stormwater assignments. He is well versed in collection, conveyance, and treatment facility systems, including water and wastewater treatment plants (WTP and WWTP), pump stations, transmission mains and stormwater systems. He has earned a B.S. in Civil Engineering from the Pennsylvania State University and a M.E. in Environmental Engineering from the Pennsylvania State University, and is a registered professional engineer in Pennsylvania.

Randy Turner (B.A. Chemistry, University of West Georgia), Randy was a chemist for Southern Company for 33+ years. He was a plant chemist for 17 years and a corporate chemist for 16+ years supporting more than 20 utility plants. Upon retirement from Southern Company he became the Technical Director for Swan Analytical USA in January 2012. Randy has authored or co-authored over 30 technical papers, and articles in chemical engineering journals and has given technical presentations at conferences. He is a member of the International Water Conference. He has been with Awwa since 1981. Randy is a registered Professional Engineer in Texas. He is currently a member of the ICPSC, and is a member of the Water Quality Association.

MARK ROMERS, P.E.
Mark Romers is a registered professional engineer; Utah, Founder and President (since 1980) of Industrial Control Systems, Inc., a national systems integrator (www.icsonline.com) with experience in automation solutions for water plants, wastewater plants, distribution systems and collection systems. From design to implementation, ICS has successfully integrated over $100,000,000 in automation solutions for water plants, wastewater plants, distribution systems and collection systems. From design to implementation, ICS has helped clients all over the country achieve their automation goals through innovative and cost-effective solutions for surface water plants and wastewater tertiary systems (www.filtermagic.com). Innovator of filter optimization technologies that substantially reduce excess waste water thereby increasing filter systems productivity while substantially reducing typical water plant wastewater treatment.

J. HOLLAND (HOLLIE) SCOTT, AWI
Mr. Scott has over thirty years of experience in the water and wastewater treatment industry. That experience includes more than ten years of experience in the design and implementation of water treatment technologies and the fundamentals of how they operate. Much of that experience focused upon the application of a broad spectrum of products for treating water and wastewater. Technologies included biological treatments, wastewater treatment, membrane treatment, membrane filtration in potable water treatment and wastewater treatment applications, disinfection, industrial process water treatment, and wastewater treatment of industrial wastewaters, ground water remediation, and more. Mr. Scott has been involved in technology selection and application for several thousand projects. Education: M.B.A., Business University of Utah, 1985; M.S., Sanitary/Environmental Engineering, Virginia Polytechnic Institute and State University, 1976; B.S., Civil Engineering, Virginia Polytechnic Institute and State University, 1975. Professional Affiliations: American Waterworks Association Water Environment Federation PA-AWWA 68th Annual Conference PA-AWWA 68th Annual Conference PA-AWWA 68th Annual Conference