



The Clarifier

VOLUME THIRTEEN, ISSUE TWO

DOYLESTOWN, PA

MARCH 2017

PA AWWA/DBIA Liberty Region Conference

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Stone Hill Contracting is pleased to once again take part in the PA AWWA / DBIA Liberty Region conference in Hershey, PA from April 25th to 28th at the Hershey Lodge and Conference Center. This year's event is bigger and better than ever, with great events and sessions that are designed to educate those in attendance as well as provide networking opportunities.

This year's event includes items such as a tour of the new US Pipe Fab facility in Ephrata, PA, a 2-1/2 Hour roundtable discussion about safety at treatment plant sites, a free DBIA sponsored networking event at "Your Place" sports bar, located adjacent next to Hershey lodge, four (4) tracks of tech sessions (two PA AWWA and two DBIA Liberty) as well as a three

(3) day DBIA certification workshop.

As the clarifier goes to press, there is still exhibit space available, and registrations are also still being accepted on the PA AWWA website at www.PAAWWA.org. Sponsorships for the DBIA Liberty portion of the event are also available by contacting Bob McIntyre at Stone Hill's office.

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Stone Hill's Bob McIntyre to Co-Chair DBIA National Conference in Philadelphia

Stone Hill Contracting's Director of Development, Bob McIntyre, will be serving along with Mr. Tim Pullen (Manager, Alternative Project Delivery at The Port Authority of New York & New Jersey - The Port Authority of New York & New Jersey) as co-chairs for the upcoming Design-Build Conference & Expo, November 8th through 10th at the Pennsylvania Convention Center in Philadelphia. More than 2000 professionals are expected to attend this annual event from the architecture, engineering and construction communities throughout the Country.

- Special points of interest:**
- PA AWWA/DBIA Conference
 - \$28.5M PVWC Project
 - Water For People Designer Bag Bingo

The event is the largest of its kind in the alternate project delivery field of construction. Owners as well as practitioners will be joining together to share experiences, and to learn Design Build Done Right. Stone Hill is honored to not only be represented on the planning committee, but to also be able to take part in the conference, by being an exhibitor. For more information on this event, please visit the DBIA website at www.DBIA.org

Stone Hill Receives Award of \$28.5M Project for Passaic Valley Water Commission

In late December, Stone Hill Contracting received award for a 28.5 million dollar, two year project, for the Passaic Valley Water Commission. The project will provide the Commission's Little Falls Water Treatment Plant in Totowa, NJ with a new standby generation facility and a modified electrical distribution system.

A new 7,680 square foot electrical building will house four (4) new 3000 kw diesel generators. New 4.16 kv paralleling switchgear will also be installed for parallel operation of the generators. Two new 26.4 kv medium voltage enclosed switchgear stations will be installed on the PSE&G system. In addition, two new 17,500 gallon above ground fuel storage tanks will also be installed.

The project has an interesting mix of civil, structural, mechanical and electrical work. Mobilization is anticipated shortly so stay tuned for updates in upcoming issues of the Clarifier.

AQUA PA Pickering West Roof Replacement

Work at the Aqua Pickering West WTP has come to a close. Munn Roofing completed installation of new roofing for the engine room and south filter room. Capital Coatings completed all painting work, and G.A. Vietri Electric completed new lighting for both filter rooms as well as power and control for HVAC equipment.

Wall and roof mounted fans and louvers installed by Stone Hill Contracting will help control temperature and conditions in these buildings.

Stone Hill would like to thank all involved who helped to make this project a success and they look forward to working with Aqua-Pennsylvania, GHD Engineering, as well as these great vendors on future projects.



Sandy Hook WWTP

Mobilization is complete and work has begun at the Sandy Hook WWTP for the National Park Service.

Demolition of the existing trickling filters 2 and 3 has begun. Once the two existing filters are removed, Stone Hill will begin the excavating for the pre-stressed concrete tanks to house the aeration equipment, clarifiers, anoxic tanks, pumps, and other equipment to build the new treatment plant.

With a tight timeline and winter in full swing, this project poses many challenges and obstacles. Nevertheless, Stone Hill will push forward towards completion!



Bayshore Niro Incinerator Project

The Niro incinerator has been in operation at the Bayshore Regional Sewerage Authority since October 2016.

As the project nears completion, the push is to finish punch list items and electrical rehabilitation of the existing Dorr Oliver incinerator that has been taken off-line.

Stone Hill hopes to have the project successfully completed by Spring and they look forward to working with the BRSA on future projects.



The Clarifier Newsletter is published quarterly by Stone Hill Contracting Co., Inc. PO Box 1370 Doylestown, PA 18901

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Designed and Printed by: Grace Media Services, Inc. Perkasie, PA

Warren Township WWTP Project Reaches Completion

Stone Hill Contracting has completed this project and has moved off site. The scope off this work included a new fiberglass building, supplied by Shelter Works, to protect the new UV System which sat on top of a new cantilever concrete slab. Hays Sheet Metal installed the louvers, heaters and fans. Stone Hill installed a new UV System, supplied by Trojan Technologies, and also completed the upgrades of two process tanks. This work included demolition of old clarifier and oxidation equipment, completed by Jack Pears & Associates, and replaced with new supplied by Envirodyne Systems. MBE Mark III Electric ran new conduits and wire to all the new equipment and replaced all the site lighting with new LED fixtures. AFN USA took care of the painting requirements, and new handrail and grating was supplied by Pleasant Mount Welding.



OCUA Area-Wide Clarifier Rehabilitation

Work at the southern and northern plants is in full swing.

The first order of business at the Northern plant was the demolition of the existing clarifier mechanism at primary clarifier #4 allowing for Stone Hill Contracting's painting sub, Aullfo Painting, to begin cleaning the concrete tank walls, setting the stage for the installation of Sauersisen concrete coating system. Upon the completion of concrete coating both the epoxy coating and urethane topcoat were installed before the holidays and the cold weather set in.

Not to be outdone the southern plant forged ahead with the demolition of the grout floor at primary clarifier tank #2 which led to the installation of the new clarifier mechanism supplied by Stone Hill Contracting's material supplier, Envirodyne Systems, Inc.. With the installation completed during the first week of January, further work at the southern plant was suspended until warmer weather would allow the placement of the new grout floor at tank #2.



Wanaque South Pump Station Upgrade

The Wanaque South Pump Station is now on schedule to receive the five dual stage pumps from Flowserve. The impeller issue was corrected and the testing requirements have met the performance curve and motor efficiency requirements. In an effort to resolve concerns that indeed the testing requirements were met, Stone Hill hired an independent agency to oversee the tests. They collected and recorded the required performance data that needed to be submitted to the Owner prior to releasing the pumps for shipment.

During the issue with the impellers, Stone Hill installed a temporary pump supplied by Flowserve. Spark Electric connected the required power feed lines and control wiring from VFD #4 to the pump. Keystone installed the updated instrumentation connections from the PLC along with updates to the motor control center to allow the operation of VFD #4. NJDWSC was kind enough to assist Keystone in verifying that indeed that newly installed control wiring would operate the system as required.



Ram, a company representative of Toshiba set up the VFD startup. There were some minor changes required on the existing VFD prior to energizing the unit. Once these minor issues were resolved, Stone Hill energized the backup pump and have been continuously running the pump to date. Along with the backup pump, the authority continues running three pumps in an effort to resolve the low levels in the reservoir.

All parties are extremely happy that the project can now proceed with a productive agenda to upgrade this Pump Station. All the motors, VFD's, and low voltage starters are stored onsite and the pumps are on the road.

North Jersey District Water Supply Commission Lagoon Decant Tower Project

Stone Hill Contracting, working closely with their design-build Partner Kleinfelder, continues to operate an electro-coagulation pilot plant at the treatment plant in Wanaque, NJ. The pilot plant facility which began operation in the Fall of 2016, is being used to determine a final process for treating the wastewater developed through the treatment process at the plant, prior to its discharge to the reservoir.

There have been some obstacles to overcome during the pilot operation, including freezing of the plates, as well as problems with valves and piping. The erection of a canopy with heaters as well as piping and equipment modifications seemed to have alleviated these issues.

As the operation continues, it is believed there will be enough analytical data to determine the final process by late March or early April, at which time a final design will be developed working with the NJDWSC staff and regulatory agencies.



North Jersey District Water Supply Commission Plate Clarifier Project

Work is moving forward on the design-build project to rehabilitate the mixing and settling basins #5 & 6 for the North Jersey District Water Supply Commission. The great team of NJDWSC personnel combined with HDR Engineering and Stone Hill are in the process of finalizing the phase one (demolition) documents for approval by the regulatory agencies, with the hope of beginning the work in early April of 2017.

During the demolition operation, the remainder of the design, including process design and flow modeling, will continue to assure that the final build out will yield the best results for the team. The goal of the project team is to get the project running at full speed during the summer in an effort to complete the project by late 2017 or early 2018. Stone Hill looks forward to teaming with NJDWSC, HDR Engineering, R Spark Electric, Jim Myers & Sons (Flocculation Equipment), Muerer Research (Stainless Plate Settlers and sludge collectors) and others to see this project through to completion.

Borough of Wharton

Stone Hill has started on a new 1,000,000 gallon elevated water tank project for the Town of Wharton NJ. The tank and structure design is by Mid-Atlantic Storage Systems. Stone Hill will work in partnership with MidAtlantic on the project, with Stone Hill performing the primary concrete foundation, pedestal walls and upper support superstructure. The clearing, excavation and waterline installations have been subcontracted to Fitzpatrick Excavating.

MidAtlantic will install the new water tank atop the new 60 foot high circular pedestal walls making the overall height of the tank structure 112 feet high. Mott McDonald has been hired by the town as the consultant engineering firm and onsite inspections will be performed by the town's local engineering firm, CHA Companies.

Clearing and the initial tank foundation work started in the middle of November and then were shutdown at the end of the month. This was attributed to approval issues on the water tanks upper superstructure design, which supports the million gallon water tank atop the pedestal walls, thus halting the approval on the contractual drawings. These issues have now been resolved and work will commence in early March. This will be an interesting and challenging project due to the location, design and height of the structure.



Industry News

Construction Risk Partners Announces Partnership with JLT

The Partners of Construction Risk Partners are delighted to announce the formation of a United States and Global construction industry partnership with JLT, the world's largest construction industry brokerage company. Since their foundation in 2006, Construction Risk Partners has been fiercely protective of their unique culture. The firm has been a growing construction industry brokerage specialist and an entrepreneurial business that seeks to earn the privilege to represent the best construction companies in the United States. Over the past decade, they have attracted the best and most talented associates by valuing and celebrating their deep individual expertise. They have delivered the best response from their insurance, surety and strategic partners by developing trust based relationships through their construction industry expertise and by always having an eye to mutual success and profitability.

Their commitment to supporting their clients will continue to be their primary focus. This partnership formally expands their already existing partnership with JLT in an effort to bring two great companies together for the benefit of all of their stakeholders - clients, markets, and strategic partners. They will continue to operate Construction Risk Partners as they do today by always doing what is in the best interest of their clients and partners.

Headquartered in London, England, JLT is the world's largest construction industry brokerage company. More importantly, JLT shares the values of teamwork, strong work and moral ethics, world class expertise, integrity and a unique ability to look outwardly toward clients. Like Construction Risk Partners, JLT also allows their associates the creative freedom and tenacity to go beyond the routine and deliver better results, focusing firmly on the success of the client as well as that of all stakeholders in every transaction.

Moving forward, the new partnership will be doing business as Construction Risk Partners, a JLT Group Company. They feel confident that the formation of their new partnership with JLT will provide differentiating value in both the United States and Global Construction markets.

New President of Gannett Fleming

Paul Nowicki, has been named president and COO of Gannett Fleming. His career with Gannett Fleming began in Detroit as an intern in 1982. He continued with the firm during his academic studies and, upon graduation in 1986, moved to New Jersey where he began full-time employment.

Mr. Nowicki holds a bachelor's degree in civil engineering from the University of Detroit, and is a registered professional engineer in New Jersey and Massachusetts. He has worked on some of the largest transportation projects in Gannett Fleming's history, including the extension of the New Jersey Route 18 corridor in New Brunswick, Middlesex and Monmouth counties. He was responsible for managing more than \$500 million in transportation improvements.

From 2006 to 2014, Mr. Nowicki served as Gannett Fleming's northeast region director and oversaw the operations of its New York, New Jersey, Connecticut, Massachusetts and New Hampshire offices. He also served as Gannett Fleming's southeast region director from 2014 through 2016, during which time he directed operations for offices in Florida, Tennessee and Louisiana.

In his new role, Mr. Nowicki is responsible for establishing Gannett Fleming's performance goals, leading day-to-day operations, and overseeing the overall performance of the company. He also will oversee the daily operations of more than 60 offices worldwide.

"Gannett Fleming might be 101 years old, but we are fresh — fresh with talent, technical innovation, and enthusiasm," Nowicki said. "We, and most importantly our employees, are always evolving and changing to best meet the needs of our clients."

Mr. Nowicki will be based out of Gannett Fleming's South Plainfield, NJ. His role requires extensive travel to the more than 60 offices the company has around the country, but he will be at the corporate headquarters in East Pennsboro several times a month as well.



SUEZ Dedicates Bloomsburg Advanced Water Treatment Plant

A new advanced water treatment plant that deploys innovative and highly-effective water treatment processes is being dedicated today in Bloomsburg, PA, according to officials from SUEZ, a global leader in water and wastewater services and equipment. Among other highly advanced water treatment solutions, SUEZ is utilizing its own pressurized membrane racks in the new \$32 million Irondale Water Treatment Plant, making it one of the most sophisticated and modern surface water treatment plants in the United States.

The new plant also features superpulsators, an advanced pre-treatment that enhances sediment removal from untreated water and reduces the overall footprint of the plant, and utilizes ultraviolet light to aid in the disinfection process. The result is highly purified drinking water and exceptional water quality.

“SUEZ utilizes innovative technology and world class expertise to construct water facilities that supply high quality water to customers all over the globe,” said Eric Gernath, Chief Executive Officer for SUEZ North America. “These truly are state-of-the-art processes that are producing water of exceptional quality and ensuring reliable service, 24 hours a day, 365 days a year.”

Gernath added that the new plant has been built at an elevation that will help avoid potential floodwaters that had previously interfered with operations at the now decommissioned, original treatment plant.

The new plant was constructed to ensure an average daily delivery of 4 million gallons of drinking water and enough for fire protection to more than 18,000 people.

“We are delighted to bring this substantial investment to the people of Bloomsburg and Columbia County. The Irondale Water Treatment Plant represents the largest investment made in Pennsylvania by SUEZ or its predecessor companies and reflects our commitment to excellent water quality and service reliability,” said Gernath.

Before construction even began, SUEZ worked closely with local and state governmental officials to ensure a design that would meet the future water service needs of the area for decades to come.

“I am grateful to SUEZ for carefully planning and constructing a multi-million dollar water treatment plant in our community that uses advanced water treatment technology and will reliably deliver water whenever residents go the tap or firefighters might need it,” said Pennsylvania State Representative David Millard.

“I could not be more pleased with the scope of this extensive project that benefits SUEZ customers in Bloomsburg and adjacent communities,” said Columbia County Commission Chairman Chris Young. “Not only will it provide great water for years to come, the plant will enhance economic vitality throughout the portion of Columbia County that is served by SUEZ.”



Join Stone Hill Contracting at AWWA ACE'17 in Philadelphia

ACE provides an environment for all water professionals to present, exhibit and discuss solutions for the most pressing water utility challenges. Nowhere else can you find an experience quite like ACE, with premier speakers, professional sessions and more than 500 exhibitors from all aspects of the water industry ready to present and discuss solutions for the most pressing water utility challenges.

Workshops, sessions and facility tours provide TOTAL WATER SOLUTIONS® with multiple offerings on important topics such as developing robust asset management programs, implementing potable reuse solutions, addressing water loss in distribution systems, responding to harmful algal blooms in surface water and more! Network with established industry leaders from all over the world to build professional relationships and get the information needed to excel.



Join Stone Hill and close to 20,000 other water industry professionals June 11th through 14th at the Pennsylvania Convention Center in Philadelphia.

Water For People Receives Grant From Conrad N. Hilton Foundation

Water For People believes every person around the world deserves lasting access to safe water, and to help realize this vision it has received a three-year, \$3 million grant from the Conrad N. Hilton Foundation in support of its work in the rural Kamwenge District of Uganda. With this grant, Water For People and its local partners will now be able to accelerate and scale their efforts significantly and deliver high-quality water services to over 100,000 people. This partnership puts a strong emphasis on the Forever aspect of Water For People's Everyone Forever impact model, which increases demand for reliable quality water within the communities served and partners with local government and private sector institutions to create the enabling environment for these services to last.

Uganda is one of nine countries where Water For People works and is one of the world's poorest nations, with a population of more than 39 million people, nearly half of whom are younger than 15. Life expectancy in Uganda is 58 years, per World Bank data, and most of its population relies on subsistence farming, which makes it extremely difficult for children to break out of entrenched family poverty.

A lack of basic services is the main reason why so many in Uganda struggle to survive. Uganda's official rate of drinking water coverage is actually high -- at 79 percent (UNICEF/WHO JMP 2015 Update). But the reality of broken-down pumps and a low quality and quantity of drinking water means families spend hours each day sourcing water at the expense of time spent in school, generating income, or raising children. This pattern will continue until the cycle is disrupted.

"We are thrilled to be partnering with Water For People and are excited by the opportunity to make a meaningful difference for future generations of Ugandans," said Peter Laugharn, president and CEO for the Conrad N. Hilton Foundation. "Water For People's Everyone Forever model seeks to provide a clear and sustainable path for Uganda, one which aims to ensure that every person, health facility and school has lasting access to safe, reliable and affordable water."

Part of Water For People's Everyone Forever model's success is attributed to its emphasis on reporting and data, as well as the priority it places on bringing a system's users into the process with educational programs designed to stimulate demand and teach them how to hold their local institutions accountable. The Hilton Foundation's grant is particularly timely considering that there are new Ugandan government regulations which prioritize the development of high quality water systems and taps in homes. Water For People and its partners in Kamwenge will be working with others across Uganda to share their experiences and learnings so that they can benefit even more people.

About the Conrad N. Hilton Foundation *The Conrad N. Hilton Foundation was created in 1944 by international business pioneer Conrad N. Hilton, who founded Hilton Hotels and left his fortune to help the world's disadvantaged and vulnerable people. The Foundation currently conducts strategic initiatives in six priority areas: providing safe water, ending chronic homelessness, preventing substance use, helping children affected by HIV and AIDS, supporting transition-age youth in foster care, and extending Conrad Hilton's support for the work of Catholic Sisters. In addition, following selection by an independent international jury, the Foundation annually awards the \$2 million Conrad N. Hilton Humanitarian Prize to a nonprofit organization doing extraordinary work to reduce human suffering. In 2016, the Humanitarian Prize was awarded to The Task Force for Global Health, an international, nonprofit organization that works to improve health of people most in need, primarily in developing countries. From its inception, the Foundation has awarded more than \$1.5 billion in grants, distributing \$107 million in the U.S. and around the world in 2015. The Foundation's current assets are approximately \$2.5 billion. For more information, please visit www.hiltonfoundation.org*

Save the Date.....Upcoming Water For People Events!

April 7, 2017—2nd Annual Designer Bag Bingo. Central Bucks Senior Center, Doylestown, PA. Doors open at 6:00 pm—Games start at 7:00 PM. Please contact Nickole Uva for more information 215.340.1840.

June 12, 2017—ACE 17 Water For People Bash. Hard Rock Café, Philadelphia, PA, 8:00-11:00 pm. Please contact Nickole Uva for more information 215.340.1840.

August 3, 2017—Water For People Night at PNC Park. Pittsburg Pirates vs. Cincinnati Reds, 7:05 pm. Please contact Rachael Beam for more information rachael.beam@amwater.com

September 22, 2017— 11th Annual PA Water For People Charity Golf Outing. Wedgewood Golf Course, Coopersburg, PA. Scramble Start 8:00 AM. For more information, please contact Sandy McIntyre at sales@GraceMediaServicesInc.com

November 2, 2017— 12th Annual Water For People Gala, William Penn Inn, Route 202 & Sumneytown Pike, Gwynedd, PA, 5:00-9:00 pm. For more information, please contact Sandy McIntyre at sales@gracemediaservicesinc.com

Sponsorships Available for all events!

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Stone Hill Contracting



"Committed to Excellence"

Stone Hill Contracting is a regional contractor that provides valuable services by partnering with Owner's, Engineer's, Utilities, Municipalities and communities to improve the environment and our nation's infrastructure.

**PUBLISHED IN THE
INTERESTS OF
STONE HILL CONTRACTING
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**Watch for the next issue
of the *Clarifier* coming
in June 2017**