



The Clarifier

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Stone Hill Contracting Apparent Low Bidder for City of Philadelphia Project

Inside this issue:



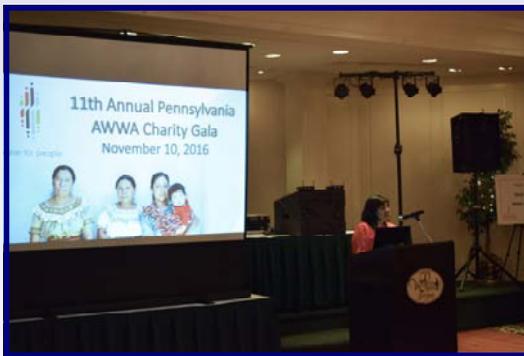
As the Clarifier was heading to press, Stone Hill Contracting was the apparent low bidder on a \$15.6 Million project for the City of Philadelphia, at their Southeast Water Pollution Control Plant.

The project includes the demolition and removal of existing, as well as supply and installation of new chain and flight collectors in 12 sets (4 per tank) of tanks plus 12 cross collectors.

In addition to the process mechanical work, there is also extensive concrete repairs and coating of the existing tanks.

Passaic Valley Water Commission, Sandy Hook, Bayshore RSA	2
Wilmington DE, OCUA Clarifiers, Wanaque South PS	3
NJDWSC, Boro of Wharton, Aqua PA	4-5
Industry News	5-6
Charity News	7

12th Annual Water For People Gala



On Thursday evening, November 2nd, Stone Hill Contracting will be hosting the 12th Annual PA AWWA Water For People Gala at the William Penn Inn in Gwynedd, PA. This event was started by Stone Hill as part of their annual Water For People month, where they raise funds and awareness for people in developing countries who do not have access to clean water or sanitation.

The Gala begins with cocktail hour at 5:00 pm and dinner is served at 6:00 PM. Join engineers, owners, vendors and other colleagues for networking while raising money for a great cause. Registration forms can be found on the Stone Hill Contracting website (www.StoneHillContracting.com.) Even if you are unable to attend, please consider donating an item to the silent auction or becoming a sponsor.

Special points of interest:

- Stone Hill Apparent Low Bidder on SEWPCC
- Project
- 12th Annual Water For People Gala

3rd Annual Max S. Mott Memorial Golf Outing

In March of 2015, Max S. Mott, former Vice President of Stone Hill Contracting, died unexpectedly during a family vacation to Florida. Shortly thereafter, the management of Stone Hill decided to do something to honor Max. Due to his and his brother Sam's love for the game of golf, it was decided a golf outing would be the best way to remember Max each year.

The 3rd Annual Max S. Mott Memorial Golf Outing will be held on Saturday, September 9th at the Bucks Club, located at 2600 York Road in Jamison, PA. Registration will begin at 6:45 AM, with a Shotgun start at 7:45 AM. Golf and lunch will be provided by Stone Hill Contracting, but sponsorships are available. Registration and sponsor information can be found at www.StoneHillContracting.com.



Passaic Valley Water Commission Project

Work has begun at the Passaic Valley Water Commission Project in Totowa, NJ. This has included site set up and mobilization activities like trailer placement and utility connections, site layout and surveying, erosion control, and site clearing which was done by Trees Unlimited. There has been some serious delay with Verizon establishing an internet connection to the trailers, which has been an inconvenience, but Verizon is currently on site and making progress.



Beginning in early August, demolition of the existing carbon building will take place. Testing was conducted to confirm the absence of asbestos in the roofing material of the carbon building, and the tests showed no signs of asbestos. Currently the interior fixtures are being removed, and demolition of

both the above ground structure, and the underground concrete carbon storage tanks will begin shortly. The location of the carbon building is the site where the new backup generator building will be constructed.

Sandy Hook WWTP

With the startup of the new treatment trains in May 2016, Phase 1 of the contract was complete. The focus of the project then shifted to Phase 2 which involved converting the trickling filter into a chemical pump and storage room.

The process piping, chemical storage tanks, chemical pumps, emergency shower, and domestic plumbing systems, and HVAC work have all been completed as part of Phase 2.

Stone Hill anticipates the startup of the new chemical pumps in early August. Once the Owner and Engineer finalize some design additions, Stone Hill will be able to finish up this project.



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Bayshore R.S.A. Blower Building

The Combined Blower Building project at the BRSA is in full swing. The new concrete flood wall is 95% complete and will be finished as soon as the building is taken off line. Stone Hill anticipates this to be at the beginning of August.

Currently four of the eight aeration tanks have been started up with the new Sanitare aeration system, as well as 85% of the new stainless steel aeration piping supplied by Felker Bros. Three new sluice gates, supplied by Rodney Hunt, have also been installed.



Hays Sheet Metal has started installing the new louvers in the blower building. Stone Hill has completed installing the new PS Doors flood gates in the combined blower building. The new Neuros Turbo Blower is scheduled to be delivered at the end of August.

MBE Mark III is handling the electrical portion of the project which includes wiring up new instruments and panels supplied by PCS Pump and Process. Stone Hill Contracting is looking to have this project completed by the end of the year.

Wilmington Delaware Screening Facility

Stone Hill Contracting working with numerous stakeholders including the City of Wilmington, Veolia Operations, New Castle County, Lucky Mechanical Contractors, Dryden Diving, United Rentals and Platinum Scaffolding Services, worked together to plan a major shut down on the evenings of July 18th and 20th of 2017, in an effort to install bulkheads and stop logs to facilitate the repair of concrete in the channels in the screenings building. The shutdown was the culmination of a number of years of planning and work, and all stakeholders worked tirelessly to get to this point. As midnight approached each night, the New Castle County and Wilmington City Pump Stations were shut down to permit divers to enter the influent channel, and at the same time the channel gates were closed to permit five (5) 6" diesel pumps to drain the remaining channels within the screenings structure, so Stone Hill crews could install bulkheads.



Once the channels were bulkheaded, sealed, and drained, Mobile Dredging was brought in to clean the channels and dispose of grit and other residual waste. Once completed, Platinum began work to repair the concrete throughout one half of the channels within the structure. Once the repairs are completed on the first half of the structure, Stone Hill Contracting, along with the other stakeholders will switch sides and perform the same operation at that location. Although there have been numerous difficulties throughout the course of the shut downs and work within the first side of the structure, Stone Hill Contracting is grateful to all the stakeholders who worked together to have a successful project to this point.

OCUA Area-Wide Clarifier Rehabilitation

Stone Hill's painting subcontractor, Aulffo Painting, completed the removal of the existing coating system on both the final and primary clarifiers at the southern plant during the month of April and May. Upon completion of the painting work, the new coating was applied on both tanks. The demolition and replacement of the mechanical system on the primary clarifier proceeded during the month of June with the new mechanical system for the final clarifier scheduled for installation during the middle of August.



Not to be outdone, the central plant started demolition of PC-2 during the latter part of April with the final segment of the work completed by mid-May. This allowed Aulffo Painting to begin the arduous task of removing the existing coating system at PC-2. Once finished, Stone Hill proceeded with the installation of the new coating and finalized the installation of the new mechanical system by the end of July with startup scheduled during the first week of August.

Wanaque South Pump Station Upgrade

The Wanaque South Pump Station is in the final stretch, as the summer comes to an end, and pumping can commence at the pump station. The last of the six (6) pumps has been installed, and wiring to all the pumps has been completed. Throughout August, R. Spark Electric worked toward completion of the light system replacement, and Keystone Engineering worked to make sure the controls and wiring were 100% ready for the official start-up in September.



In September, each of the six (6) 2000 HP pumps will be started up and tested for an eight (8) hour run test, and then a vibration test will be completed to finalize the start-up procedure. It is anticipated that all work on site will be completed in or around the end of September, close to six months ahead of schedule. While there have been some hiccups along the way, this project looks to be a successful one, and thanks should be expressed to all parties, including the staff of North Jersey District Water Supply Commission, Suez Water, Mott MacDonald, Keystone Engineering Group, Kleinfelder, R. Spark Electric, Scott Testing, Warshauer Electric, Ram Industrial Services, Envirolutions, Hydro, Inc, Cooper Electric, as well as all the Stone Hill employees who had a hand in the success of this project. Without all of these entities working together, this project could not have been a success.

North Jersey District Water Supply Commission Lagoon Decant Tower Project Moves to Completion of Pilot Stage

With much anticipation, North Jersey District Water Supply Commission (NJDWSC), Kleinfelder Engineering and Stone Hill Contracting were happy to report in mid-August that the pilot stage treatment process for the treatment of the lagoon decant effluent was completed, and this design-build project can now move into the next phase of design and construction of the treatment process. Working closely with NJDWSC, Kleinfelder and H2M Engineers, Stone Hill Contracting is working to design and build a treatment facility including electrocoagulation, dissolved air flotation as well as filtration. As the Clarifier goes to press, the big area of concern is providing ample power to the new facility.

It is anticipated that the design will be completed by late fall, which will follow with the permitting phase, and then finally construction. It is hoped the project will be completed by the end of 2018. This is just another project that has demonstrated that working together of all team members contributes to what will most likely be a highly successful project for all involved.

North Jersey District Water Supply Commission Basins 5 & 6

Stone Hill Contracting recently geared up operations to commence the overall demolition of existing infrastructure in an effort to prepare for the upcoming upgrade of Basins 5 & 6 for North Jersey District Water Supply Commission (NJDWSC). Included in this phase, is the removal of residual waste in both the mix basins and sedimentation basins. This was completed with a combination of crews from Mobile Dredging, Jack Pears Associates as well as Stone Hill Contracting. Also included in the demolition process, has been the removal of the existing flocculators, as well as tube settlers, and sludge collection equipment, which was accomplished by Jack Pears Associates, and concrete cutting and removal which is being performed by Stone Hill's workforce.

The above work is the first phase of the project which will eventually include installation of new flocculators (Jim Myers and Sons), new plate settlers and sludge collection equipment (Meurer Research), electrical modifications (R. Spark Electric) as well as piping and control work. It is expected that the project will be completed in early spring 2018.



Borough of Wharton One Million Gallon Elevated Tank

The project for the Borough of Wharton has moved to new heights, 60' in height to be exact. The pedestal walls were placed in 8' jumps, with the last jump finishing off the 60' pedestal. Once the pedestal walls were completed, the structural steel floor beams were installed. Following the beam setting, the stay in place forms were set and the vertical water riser pipes were installed. Stone Hill then installed 6" of concrete fill atop the pedestal to lock everything in place. An 80' diameter pad was excavated to allow the 76' floor pan to be erected on the ground, including the walkway and handrails.

Mike Fitzpatrick & Sons worked on getting a majority of the backfill operations completed. Upon completing the pan assembly, Sautter Crane mobilized a 500 ton crane and set up on a 5 to 1 slope to erect the pan system atop the pedestal. On the day of setting, Swenson Welding was called in to do the required welding. Once the pan system is complete, the tank floor system will be placed and the one million gallon tank erection will begin.

As the tank progresses, the interior pedestal work will commence. This work includes a new 6" floor slab, interior block work, waterline and valve installation and interior wall and ceiling finishes. MBE Mark III Electric will follow the interior work as required.



AQUA PA Chalfont Well #8

Stone Hill Contracting worked throughout the summer to complete the work on the Chalfont Well #8 Calgon system. The foundation work was completed and was followed by the process mechanical and piping work all while coordinating with other stakeholders on the project including Vietri Electric, Tru-Line Excavating, B&B General Contractors, Calgon and Valve-Tek/No-Des, as well as the staff at AQUA PA.

The site restoration and punch list items are being completed as the Clarifier goes to press. The people at Stone Hill are grateful for another opportunity to have worked with AQUA Pennsylvania.



AQUA PA Hatboro Well #9

As the work on Chalfont Well #8 began to wind down, AQUA Pennsylvania awarded Stone Hill Contracting another similar project, this time for Hatboro Well #9. Stone Hill has already placed the concrete pad and as the Clarifier goes to press has accepted delivery of the Calgon Tanks, which have been set and piped. Shortly, the remainder of the piping, testing and the commissioning of the system will take place on this project. Utilizing pretty much the same "team" on this project as on the Chalfont project, made the project a little simpler to gear up as most were familiar with the overall scope of the project.

It is expected that this project will be completed and in operation by early to mid September.

Industry News

AQUA America to Spend \$450 Million on Critical Water Infrastructure Upgrades in 2017

During Infrastructure Week, AQUA America announced plans to invest \$450 million in 2017 to help rebuild and replace water infrastructure in the communities it serves. Projects are planned across all eight of Aqua's states to ensure clean and safe water reaches each customer.

Between 2012 and 2016, Aqua invested \$1.5 billion in infrastructure renewal, including replacement of more than 700 miles of water mains. According to the American Water Works Association, an estimated \$1 trillion is needed nationwide to maintain and expand drinking water service over the next 25 years.

"As a leading water utility, our number one priority is delivering safe, reliable drinking water to our customers," said Bill Ross, senior vice president, engineering and environmental affairs. "Infrastructure Week provides a great opportunity to increase awareness about the efforts Aqua makes to replace aging infrastructure, enabling us to provide quality water and reliable service."

The 2017 American Society for Civil Engineers Infrastructure Report Card ranked the United States' drinking water and wastewater infrastructure "D" and "D+" and illustrates the following challenges:

- * Drinking water is delivered via one million miles of pipes across the country, but many of those pipes are approaching 100 years in age
- * There are an estimated 240,000 water main breaks per year in the United States, wasting more than two trillion gallons of treated drinking water
- * It is estimated that leaky, aging pipes waste 14 to 18 percent of each day's treated water, which could support 15 million households.

Aqua's 2017 infrastructure investment plan includes replacing 150 miles of water mains across eight states, helping to save billions of gallons of water leaking from pipes and water mains.

"Aqua employees understand the challenges facing the nation over the next few decades, and we work every day to do our part to help revitalize the nation's infrastructure," said Ross. "Aqua is constantly repairing and replacing old, outdated facilities, water mains, water and wastewater plants, and well stations. Our intent is to continue this commitment well into the future."

Canal Road WTP Recognized for Long Term Excellence

New Jersey American Water's Canal Road Water Treatment Plant in Raritan received a 15-Year Directors Award from the U.S. Environmental Protection Agency's (EPA) Partnership for Safe Water. The award celebrates utilities for their outstanding commitment to delivering superior quality drinking water to customers. Representatives from New Jersey American Water accepted the award at the 2017 American Water Works Annual Conference held in Philadelphia in June.



"We are extremely proud of our water quality record and we're grateful for this honor. When customers open their taps, we want them to have confidence in the quality of their water," said Bill Wachter, production manager for the Canal Road and Raritan-Millstone Water Treatment Plants. "This award recognizes the hard work and expertise of our employees who demonstrate their commitment to our customers each day."

The company's Canal Road plant treats water drawn from the Raritan River and delivers as much as 80 million gallons of high-quality, reliable water daily to customers in Somerset, Middlesex, Mercer, Union, Hunterdon, and Morris Counties. Together, with New Jersey American Water's nearby Raritan-Millstone Water Treatment Plant in Bridgewater, the two sites provide about 1.5 million customers with safe reliable water every day. The Raritan-Millstone Water Treatment Plant received this prestigious award in 2015.

"We are proud to be among the 18 nationally-recognized Partnership for Safe Water awardees within the American Water family of facilities. The 15-year Directors Award means a lot to all of us at the Canal Road Water Treatment Plant as we strive to bring high quality water to our customers," said Oleg Kostin, operations and production manager for the Canal Road and Raritan-Millstone Water Treatment Plants. "It is an honor and a testament to the great effort our employees put into their jobs, each and every day."

New Jersey American Water's treatment facilities are among 400 surface water treatment plants across the nation that are part of the EPA Partnership for Safe Water Program, a voluntary effort that is designed to increase protection against microbial contamination through treatment optimization.

"The Partnership for Safe Water congratulates New Jersey American Water's Canal Road Water Treatment Plant for receiving the 15-Year Directors Award. This award illustrates the utility's enduring commitment to optimization and public health protection," said Barbara Martin, director of engineering and technical services at American Water Works Association (AWWA).

The Partnership for Safe Water is a voluntary self-assessment and optimization program for water treatment plant and distribution system operation. More than 300 utility subscribers, collectively serving more than 100 million people, are committed to the Partnership's goals of providing safe, high-quality drinking water through achieving operational excellence in water treatment. Partnership members participate in a rigorous four-phase self-assessment and peer review process, developed by water utility optimization experts, and are recognized for their commitment to delivering safe water to their communities.

Stone Hill Contracting Iron Pigs Outing

On Saturday evening, July 29th, employees of Stone Hill Contracting joined together at Coca Cola Park, in Allentown, PA, home of the Triple A, Lehigh Valley Iron Pigs to enjoy an evening of baseball, fireworks and socializing. Guests spent the evening together in the Party Porch above first base at Coca Cola Park, to watch the Iron Pigs beat the Durham Bulls by a score of 2-1 in extra innings. A great time was had by all!



Operation Christmas Child 2017

On November 3rd, Stone Hill will once again be packing gift boxes for the organization Samaritan's Purse for their Operation Christmas Child Program. Now is the time to start thinking about and collecting items to fill gift boxes for the needy children all over the world.

Suggested items to be included in your box are: toys (stuffed animals, kazoos, yo-yo's, jump ropes, balls, toy cars, etc.); school supplies (pens, pencils, erasers, markers, sharpeners, notebooks, crayons, solar calculators, coloring books); hygiene items (toothbrush, wash cloth, bar soap, combs); accessories (sunglasses, socks, gloves, watches, flashlights with batteries, hair clips/bows, jewelry). Please do not include damaged/used items, war-related items, food of any kind, liquids, lotions or anything breakable. **New this year.....no candy, gum or toothpaste!**



If you are unable to join us, please consider making a monetary donation. It takes \$9 per box to get it into the hands of a needy child. Last year, Stone Hill employees, vendors and friends packed over 265 boxes. Let's see if we can top that this year!

For information on Operation Christmas Child, please visit www.SamaritansPurse.org

PA AWWA Water For People Night at PNC Park

On Thursday evening August 3rd, over 130 people came together at Water For People Night at PNC Park for a fun evening of baseball all while supporting a great cause.

The event raised over \$2,000 for Water For People and the Pirates defeated the Reds breaking their losing streak!

Many thanks to Evoqua for sponsoring the tailgate party again this year and to all other sponsors: McMillen Engineering Inc., Victaulic, LB Water/Sensus, Municipal Authority of Westmoreland County, Pennsylvania American Water and West View Water Authority.

This is most certainly an event you won't want to miss next year!



Water For People Announces New Chief Programs Director

Water For People is pleased to announce Mark Duey as its new Chief Programs Officer.

"Mark has been instrumental in leading our Latin America program as the Regional Director and in his prior role as Director of Global Program Quality," said Eleanor Allen, CEO of Water For People. "Together, these roles give him excellent experience and insight to lead our Global Programs team to new heights."

Mark is a licensed Professional Civil Engineer and has worked with Water For People for nine years. He joined the organization in 2008 as the coordinator of school water, sanitation, and hygiene education programming throughout Central America. In his most recent role as Latin America Regional Director, he grew the Latin America program considerably, overseeing several districts reaching Everyone with reliable water services. Prior to working with Water For People, Mark was an engineering consultant with HDR in Nebraska and Florida.



"I am thrilled to have the opportunity to lead Water For People's global programs as we continue to reach incredible milestones of universal and sustainable access to drinking water services," Duey said. "We will continue to strengthen our market-based sanitation approach and develop new partnerships with national governments who want to scale our Everyone Forever model to reach Sustainable Development Goal 6 – water and sanitation for all."

Mark holds his Master of Science in Economics, Finance, and Management from the Barcelona Graduate School of Economics, where he was a Rotary Ambassadorial Scholar. Mark is a Returned Peace Corps Volunteer, having served in Honduras as a water and sanitation engineer. In his role as Chief Programs Officer, Mark will lead the planning, delivery, and quality of all of Water For People's programmatic work in an effort to reach Everyone Forever with water and sanitation services.

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

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!

Keep up-to-date on Water For People events by following our new Facebook page
www.facebook.com/WaterForPeoplePA/



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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.

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