



The Clarifier

VOLUME NINETEEN, ISSUE ONE

DOYLESTOWN, PA

DECEMBER 2022

Stone Hill Apparent Low Bidder on Project for Philadelphia Water Department

Inside this issue:

On October 6th, Stone Hill Contracting Co., Inc. was the apparent low bidder on a \$19,344,680 project for the Philadelphia Water Department at their Queen Lane Water Treatment Plant. The work consists of the demolition of the existing surface wash system in 40 filters, and the installation of new Aries surface wash system as provided by Roberts Filter. The work also includes the demolition of six (6) vertical turbine high service pumps, controls and piping.

As the Clarifier goes to press, notification of award on this project was received. Stone Hill looks to get things underway as quickly as possible and hopes to be on-site by second quarter 2023 with completion in late 2025.

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16th Annual PA AWWA Water For People Gala



Stone Hill Contracting Co., Inc. hosted the 16th Annual PA AWWA Water For People Gala on Thursday evening, November 3rd at the historic William Penn Inn in Gwynedd, PA. It was great night to be among colleagues, friends, and welcoming many newcomers to the annual event.

Throughout the evening, people were given opportunities to contribute to the work of Water For People, through a silent auction which had great items available for bidding including golf packages, restaurant gift certificates, designer purses, as well as, sports memorabilia. The highlight of the evening was a presentation by Laura Brunson, Director of Global Monitoring & Strategic Accountability for Water For

Special points of interest:

- Stone Hill Awarded Philadelphia Project
- 242 Operation Christmas Child Boxes Packed

People.

It is important to note that the success of this event came in large part from the sponsors, who teamed with Stone Hill Contracting, as well as numerous individuals who went above and beyond to make sure that the event accomplished its purpose of raising money to help people in developing countries to realize their goals of having clean water and sanitary conditions.

Stone Hill would like to recognize their event sponsors: Trijay Systems; Bellwether Construction Company; Blooming Glen Contractors; Mott MacDonald; Saul, Ewing, Arnstein & Lehr, LLC; AECOM; Dutchland, Inc.; MidAtlantic Storage Systems; PA American Water; Raritan Group; Zack Painting; and Harrington Industrial Plastics.

Mark your calendars for next years' event, November 2, 2023!

ChemFab Superfund Project

Work is continuing at the Chem Fab project site in Doylestown, PA. All major equipment systems are now onsite and final installations are underway. The general contractor, Versar, has been completing testing operations and media loading for the pressure vessels throughout the treatment facility. The seven well pumps have been installed and will be ready to be put into service when needed.

Stone Hill has also completed installations of piping assemblies for the liquid and vapor carbon systems, each as change orders to our original scope of work. Equipment layouts have now been finalized, and installation of these final connections between the treatment processes are underway. Stone Hill will work closely with Versar for upcoming testing and startup activity.



Aqua PA North Hills Project

Work continues for Aqua at the North Hills well station upgrade. To date, Stone Hill has completed the main structure concrete work, the underground yard pipe, interior piping from the well pump to the stripper tower, and the interior flanged piping from the booster pump to the exterior yard pipe. The masonry work by S3 Solutions on brick and block is nearing completion. All interior demolition including the electrical has been completed. New electrical work, being performed by G.A. Vietri is underway, including the new service pole and underground conduits and new transformer vault. DM Coatings has applied the blockwork air barrier applications.



After the final brick is set, work will commence on getting the new windows installed by Victor Muncy. AdEdge is delivering the ION vessels and piping shortly and BVF Construction will be setting the new galvanized steel trusses along with the carpentry work required for the building. Exterior trim, gutters and roofing will be handled by M & T Contractors. Interior plumbing and HVAC will be completed by CHM Plumbing and Fiasconaro HVAC. Electrical and instrumentation by Vietri and Keystone Engineering, and fire protection system by Oliver.

On site work consists of drainage piping, grading, fencing, and paving that needs to be completed. Stone Hill continues to move forward amid material shortages, decreased equipment availability, and manpower shortages.

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

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

has completed the filter media removal, existing underdrain demolition, air scour system removal, filter effluent channel vent piping, and replaced link seals on existing pipe penetrations.

First up after Zack Painting is finished in the filter, will be the installation of the underdrain equipment, followed closely by the new air supply piping and filter media installations. The last new item for this filter is new actuators for the influent valve, drain valve, and backwash valves on the filter.

If everything goes well, this filter will be ready to place back in service by press time.

NJDWSC Filter Project

Work on this project continues as Zack Painting applies the Tnemec coatings to the filter walls and troughs. To date, Stone Hill



Passaic Valley Sewerage Commission Decant Facility

The work on decant tank 6 is nearly complete. Stone Hill has the cover 95% complete; leaving one panel off for access. BR Welding has finished the welding of what is installed to date. Zack Painting is inside working on floor repairs and coatings. Once Stone Hill installs the influent pipe, will be able to complete the last piece of the cover.

McPhee Electric has continued to install all of the conduits in the new utility & electric rooms and has begun running conduit and cable trays in the basement in preparation for when the new substation equipment and the new MCC's for the electric rooms arrive.

Cooper Plumbing is installing the new HWS & HWR mains in the basement which will branch off and feed the heaters in the new utility rooms. Hays Sheet Metal has completed installing the new ducts in the utility rooms.



Wyeth American Cyanamid Project Complete

Stone Hill Contracting has completed the American Cyanamid Slip Line Project. The project consisted of approximately 850 linear feet of 6"x3" dual contained pipe inside of an existing piping system as well as a new cell house pump discharge piping and instrumentation in three cell houses. The yard piping has been tested and turned over to the owner for use and site restoration has been completed.

The second phase of the project consisted of replacing the cell house pump discharge piping in three cell houses and supplying new heat trace, insulation, and flow meters. The piping has been replaced, tested, and turned over to the owner. Demobilization has been completed and Stone Hill looks forward to the next project.



Ocean County Northern Recycling Facility

Stone Hill Contracting continues to conscientiously work on submittals, engineering, and permitting for this project. The project consists of removal of an existing comingled screen separator unit and associated conveyors. The separator will be replaced with a new ballistic separator and transfer conveyors for the facility. The new separator is expected to better keep up with the separation of 2D fiber, 3D comingled, and materials smaller than 2". The new equipment being supplied by Sparta manufacturing is expected to land in December 2022. This will allow Stone Hill a couple weeks to unload, inspect, and prepare the units for installation in the building during the seven day shutdown of the facility. If all goes well, the shut down will occur in December and be completed with start ups and training by the end of the seven days.

Stone Hill will be teaming with Jack Pears Demolition, R. Spark Electric, and Applewood Controls to complete the large amount of work in the short duration.



Baxter Water Treatment Plant

Stone Hill completed the installation of the double walled chlorine containment pipe to the midway point at the chlorine vault. The before mentioned vault being successfully set during the second week of August, minus the lid which arrived the last week of October.

While Stone Hill was installing the CL2, line Lake Glenn Enterprises Inc. was hard at work placing the spill containment area in front of the ferric chloride tanks with the final pour completed mid-October. Once the newly placed concrete is properly cured the surfaced, it will be protected with a non-slip chemical resistance epoxy coating. Truck traffic will be allowed to use the new spill containment area on or around the middle of December.

Gracie Painting successfully completed the crack repair work at the existing ferric containment tank and Phillips Brothers Electrical contractors continued with installation of the new electrical service and controls.



NJDWSC Basins 1-4 Rehabilitation Project

Stone Hill Contracting continues to work through submittals and permitting on this project. This project consists of rehabilitating the 4 remaining clarifier basins at the NJDWSC water treatment facility. The new equipment on this project will consist of flocculators by JMS Inc., sludge collectors by MRI Inc., fiberglass baffle walls by Midwestern Fabricators, submarine doors by VR Containment, stop logs by Whipps Inc., and valves by Henry Pratt. MBE Mark III will handle the electrical requirements for this project and Trijay Inc. will supply instrumentation systems.

Material deliveries currently drive the schedule for this project but Stone Hill hopes to begin this project in early 2023.



Raritan-Millstone Water Treatment Plant Project

Stone Hill Contracting Co., Inc. and their design partner, Gannett Fleming, were the successful team chosen by New Jersey American Water Company for the design build project to improve the heating, ventilation and dehumidification system at the Filter House at the Raritan Millstone Plant in Bridgewater, NJ.

The project consists of upgrades to the heating and ventilating system, as well as the building envelope to create an overall more energy efficient structure.

The design of the project is well underway, with an anticipated onsite mobilization scheduled for early March of 2023, with substantial completion scheduled for the end of 2023.



Industry News

Poll Shows 7 in 10 Consumers Consider Tap Water Safe

Nearly three-in-four people perceive their home's tap water as safe, according to a survey conducted by Morning Consult on behalf of the American Water Works Association (AWWA), and nearly 80% trust their water utility. The June 2022 poll, titled "Public Perceptions of Tap Water," included 1,977 Americans served by water utilities.

The survey showed approximately 70% of respondents rate the quality of water at their faucet as excellent or good, a level nearly equal to a similar survey conducted in June 2021. However, fewer black adults rated their water as "safe" (6% decline) and more rated their water "unsafe" (7% increase) compared to June 2021. At the same time, black adults (26%) and Hispanic adults (22%) were more likely than white adults (16%) to report that the safety of their water supply has improved over the past five years.

With inflation on the rise in the United States, the most recent survey showed that one-third of respondents were struggling to pay their water bill on time, an 8% increase from June 2021. The consumer price index rose 9.1% from June 2021 to June 2022.

"It's good to see the vast majority of people have confidence in both their tap water and their water utility," said AWWA CEO David LaFrance. "At the same time, we have work to do to gain and maintain trust in tap water, especially in communities where historical inequities have existed. With affordability challenges rising, focusing on disadvantaged communities is even more important."

Seventy-seven percent of respondents indicated they have "a lot" or "some" trust in their water utility. Respondents who are aware of the frequent water quality tests at their utility indicated a much higher level of trust than those who are unaware. Three-fourths of respondents (73%) say they are generally satisfied with the water. However, that figure rose to 88% among those who said they are aware of frequent testing.

Approximately three-fourths of respondents say they are generally, very or somewhat satisfied with the water at their faucet. Respondents' satisfaction with their water utility has increased by 4% since the June 2021 survey.

Three-fourths of respondents strongly or somewhat support continuing Congressional assistance to help with paying water bills for those who may not be able to afford it. Respondents across key demographics show support for this policy, with the most support expressed by black respondents. The struggle to pay a water bill is most strongly expressed by lower-income, black and Hispanic respondents.

American Water President and CEO Honored by the Philadelphia Business Journal as a Most Admired CEO

American Water, the largest publicly traded U.S. water and wastewater utility company, announced recently that its president and CEO Susan Hardwick was recently recognized by the Philadelphia Business Journal as a Most Admired CEO. She is part of the 2022 class that includes 26 individuals from 25 Greater Philadelphia businesses.

According to the publication, these top executives – all of which have the title of chief executive officer, executive director or president – have demonstrated agility and ingenuity in leading their respective companies, spanning a wide range of industries, from life sciences to food and beverage to higher education.

With over 35 years of experience and a strong reputation for excellence, Hardwick's effectiveness in consistently driving results and achieving business goals has set an example for the entire organization. She has made her mark at American Water and throughout the utility industry, not just through her proven financial expertise and experience, but through her strategic thinking, broad business expertise and leadership capabilities. She upholds the company strategies and values and successfully drives toward outstanding service for customers and communities as well as the investment community.



The Philadelphia Business Journal will recognize these leaders at a live event at the Crystal Tea Room in Philadelphia on Dec. 8. They will also be profiled in a special print edition of the paper on Dec. 9.

Essential Utilities' Aqua Pennsylvania Subsidiary Acquires the Municipal Wastewater Assets of East Whiteland Township

Essential Utilities Inc. announced recently that its Pennsylvania wastewater subsidiary has acquired the municipal wastewater assets of East Whiteland Township, Chester County for approximately \$55 million.

East Whiteland Township's wastewater system serves approximately 8,200 customer-equivalents including residential and commercial connections. The system is comprised of 57 miles of collection mains and 12 pump stations. The collection system accepts waste from the neighboring municipalities of Malvern Borough and Charlestown Township. Its waste passes through Aqua's Valley Creek Trunk Sewer system to the Valley Forge Sewer Authority for treatment. Essential's unregulated subsidiary, Aqua Resources, purchased the 9-mile Valley Creek trunk system in December 2018, which consists of gravity sewers, force mains and two pump stations, from the Tredyffrin Municipal Township Authority.

"It's particularly pleasing to be entrusted with the wastewater assets of East Whiteland Township, a municipality for which we've provided water service for years," said Essential Chairman and CEO Chris Franklin. "Our excellent water service in the East Whiteland community brought important credibility to our offer to handle wastewater service in the township. We look forward to serving both water and wastewater customers throughout the township in the future."

Aqua Pennsylvania President Marc Lucca said, "We look forward to providing excellent service to the East Whiteland community and have already identified the need for \$17 million in infrastructure improvements over the next decade including two major sewer extensions. That work will likely begin with the Planebrook and Bacton Hill roads' sewer extensions," said Lucca.

East Whiteland is the second acquisition completed by Essential's Aqua companies in 2022. The company currently has six additional signed purchase agreements to acquire water and wastewater systems in three of our existing states, which have a total purchase price of more than \$363 million and represent approximately 216,000 equivalent retail customers or equivalent dwelling units.

Middlesex Water Company Dedicates New Ozone Plant

Middlesex Water Company dedicated its new ozone treatment facility in Edison, New Jersey at a ceremony attended by local officials, project partners and employees. Middlesex began construction of this facility in 2019. The project was completed and placed into service in 2021. Middlesex Water has invested \$70 million on this and various other upgrades at the Company's existing largest water treatment plant to provide increased resiliency and to replace sodium hypochlorite with ozone as the primary disinfectant in the water treatment process. The upgrade will also help ensure compliance with increasingly stringent drinking water quality regulations and mitigate the occurrence of harmful disinfection by-products which can form in parts of the distribution system more easily when chlorine is used as the primary disinfectant. Improvements in electric generation back-up systems were also implemented to help ensure continued service in the event of power loss.

In his remarks, Dennis Doll, Middlesex Water Chairman, President and CEO stressed the Company's continued commitment to water quality and sustainability and that the new treatment process is an example of the need to invest in technologies that keep pace with changing regulations and emerging contaminants. In her key note address to guests, Commissioner Mary-Anna Holden of the New Jersey Board of Public Utilities discussed the plant's key role in protecting public health now and for future generations. Robert Karabinchak, 18th District Assembly, also acknowledged the company's length of service and its reputation for maintaining and consistently investing in drinking water infrastructure to maintain reliability, service quality and a clean water supply.

The ozone treatment facility was dedicated to Middlesex Water VP of Enterprise Engineering G. Christian Andreasen who, over a 40-year career, has substantially lead the company's extensive capital program and other major engineering initiatives. In his remarks, Andreasen credited the project team and engineering and construction partners as well as the Company's operations teams who now operate the plant on a daily basis. He also discussed the challenges of constructing a major plant specifically during a global pandemic while facing numerous supply chain challenges during that period.

During the ceremony, Middlesex Water was also presented with a Risk Management Excellence Award from PMA Insurance Group honoring the Company's strong organizational commitment to employee safety over a number of years.

About Middlesex Water Company

Established in 1897, Middlesex Water Company serves as a trusted provider offering life-sustaining high quality water service for residential, commercial, industrial and fire protection purposes. The Company offers a full range of water, wastewater utility and related services. An investor-owned public utility, Middlesex Water is a professional services provider specializing in municipal and industrial contract operations and water and wastewater system technical operations and maintenance. The company and its subsidiaries form the Middlesex Water family of companies, which collectively serve a population of nearly half a million people in New Jersey and Delaware. The Company invests in its people, infrastructure and the communities it serves to support reliable and resilient utility services, economic growth and quality of life.

Operation Christmas Child

Item donations for the Operation Christmas Child shoeboxes were accepted from colleagues, vendors and friends for the annual packing party held on November 4th at the Perkasio Fire Company Hall. A total of 242 boxes were packed and a pizza lunch was enjoyed by all in attendance.

Operation Christmas Child is a ministry of Samaritan's Purse, an organization who works throughout the world to reach people for Christ. Something so ordinary as a shoebox can accomplish the eternal when it is packed with toys, school supplies, hygiene items, and God's love. Powered by prayers, it can help lead children and families to faith in Christ, inspire pastors, plant and grow churches, and encourage disciples in some of the most unreached places in the world.



You can be part of this effort next year. Boxes will be available at Stone Hill's office starting in October 2023. Start collecting your items now, or put a little money away each week to start saving up to assist with postage. It costs \$10 to get one shoe box into the hands of a needy child.



A typical box contains the following: wash cloth, bar of soap, toothbrush, comb, crayons, colored pencils or markers, erasers, pencil sharpener, pens and pencils, coloring book/note pad, ruler, socks, t-shirt, beanie baby, small toys/puzzles, and a tote bag. Gender specific items are also included—girl boxes receive hair ties, jump ropes, nail files, and bracelets, while boy boxes receive hot wheels, soccer balls with pumps, and balsa airplanes.

A special thanks goes out all who donated either items or funds to Operation Christmas Child. There are needy children throughout the world who will benefit greatly from your support.

Water For People Receives Donation

Water For People announced it has received a transformational gift of \$15 million from noted philanthropic leader MacKenzie Scott. The donation will catalyze Water For People's Destination 2030 strategy, which aims to bring sustainable water, sanitation, and hygiene (WASH) to more than 200 million people globally by 2030.

"The water crisis is solvable," says Water For People Co-CEO Mark Duey. "What has been missing is the catalytic funding needed to scale our systems-change approaches in communities around the world. MacKenzie's gift means that Water For People is able to ramp up quickly and bring our proven solution into more communities throughout the world.

"We are so grateful to Mackenzie Scott for her belief in our mission and her trust in our local teams to create generational impact around the world. Access to clean water is a human right," says Katherine Williford, Chief Growth Officer. "We are committed to leveraging this investment to ensure everyone — including the hardest-to-reach — has access to safe and reliable water services, forever."

Upcoming Water For People Events

May 9-11, 2023—PA AWWA Conference Water For People Silent Auction, Kalahari Resort & Conference Center, Pocono Manor, PA. To donate an item, please contact Nickole Petrozelli at NMUva@StoneHillContracting.com

July 29, 2023—Water For People Night at PNC Park, Pittsburgh Pirates vs. Philadelphia Phillies. For more information or to obtain tickets, please contact Rachael Beam at Rachael.Beam@amwater.com

September 21, 2023—16th Annual Water For People Charity Golf Outing, Wedgewood Golf Course, Coopersburg, PA. For more information, please contact Sandy McIntyre @ sales@GraceMediaServicesInc.com

November 2, 2023—17th Annual PA AWWA Water For People Gala, William Penn Inn, Gwynedd, PA. For more information, please contact Sandy McIntyre at sales@GraceMediaServicesInc.com

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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
CO., INC.**

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**Watch for the next issue
of the *Clarifier* coming
in March 2023**