



# The Clarifier

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DOYLESTOWN, PA

DECEMBER 2015

## Water For People Gala Marks 10th Year

Inside this issue:

Stone Hill Contracting Co., Inc. was the host sponsor of the 10th Annual Water For People Gala on Thursday evening, November 5th at the William Penn Inn in Gwynedd, PA. Over 80 people attended this event, with a large percentage of them being water and wastewater industry professionals.

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 outings, restaurant gift certificates, framed art, as well as, trips and sports memorabilia. The highlight of the evening was a presentation by Bob McIntyre explaining the work of Water For People and a demonstration where some of the teen girls in attendance carried a bucket weighing 40 pounds on their heads to simulate what many girls in these developing countries do all day retrieving clean water for their families. All combined, the evening raised over \$8,500 for Water For People.

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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 thank everyone for their continued support and make sure to mark your calendars for next years' event, November 3, 2016!

### Special points of interest:

- Water For People Gala Marks 10th Year
- Stone Hill Looking Strong Heading Into 2016

2015 sponsors include Bergey's Chevrolet, Trijay Systems, Inc., Grace Media Services, Inc., Keystone Engineering Group, LB Water, Dutchland, Inc., Xylem Flygt Products, Caddick Utilities, LLC, Construction Risk Partners, Gayle Corporation, J.T. Seeley & Company, Kappe Associates, Mid Atlantic Storage Systems, North Penn Water Authority, Nucero Electrical Construction, Pyrz Water Supply Company, Worth & Company, William Penn Inn, Bowen, Calhoun & Associates, Riley Riper Hollin & Colagrecio, Riordan Materials Corporation and UTCA.

## Stone Hill Continues to Build Backlog

Stone Hill Contracting has received the contract for the Design Build Upgrade of the Wanaque South Pump Station for North Jersey District Water Supply Commission. This \$8.8 million project located in Wayne, NJ, involves the replacement of six (6) 2000 HP pumps as well as the drives for the pumps, new lighting in the pump station and miscellaneous instrumentation modifications. Stone Hill contracting is proud to have teamed with Keystone Engineering and Kleinfelder for the design portions of the project as well Envirolutions for the supply of the new Flowserve pumps and Spark Electric as the electrical subcontractor. The project has been fast tracked in an effort to restore the pump station to full capacity by the fall of 2016, although the contract time is stipulated to be 730 days. Stone Hill's management and staff are looking forward to teaming with North Jersey District personnel on another project after recently completing a project at the their treatment plant in Wanaque.

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# BRSA—Niro Incinerator Repair & Mitigation

With the demolition of the mechanical items in the Niro building mostly complete, Industrial Furnace Company (IFCO) mobilized and began the work to rehabilitate the Niro incinerator. The first step was to remove the damaged refractory from the interior of the Niro incinerator. This daunting task was very labor intensive, as access to the inside of the incinerator was limited. Each piece of refractory that was demolished needed to be handled multiple times before machines and equipment could access it. Once the demolition inside the incinerator was complete, the walls were sandblasted and primed before the rebuilding could begin. Currently IFCO has installed the refractory in the lower section of the incinerator (windbox) and are preparing to install the refractory dome above the windbox.

Stone Hill Contracting was able to obtain the building permits in early September and finally began the construction phase of the project. Forming, installing reinforcing steel, and placing concrete for the flood walls, ballasting concrete, and equipment pads was first on the agenda. Currently Stone Hill Contracting has placed approximately 90 cubic yards of concrete and hopes to have the exterior concrete work finished before the cold weather sets in.

Stone Hill's electrical subcontractor, MBE Mark III, has been working throughout the demolition process in the building, and they are currently beginning the work of installing the new electrical work.

The next phase of the project will be the installation of the mechanical equipment associated with the incinerator. The many pieces of this system were tediously laid out by IFCO to ensure that all the equipment could fit in the small foot print provided. If all goes well, Stone Hill will still be on target to make the substantial completion date in March of 2016!



# United Water New Jersey—Lambertville Pump Station

Upgrades to the United Water Pump Station facility have come and gone. This project began with Stone Hill Contracting digging for underground conduits for new electrical feeders installed by Travis Inc. to the effluent pumping station that distributes water to Lambertville and neighboring areas.

Stone Hill then completed modifications to the pump station's discharge piping to allow for temporary piping while the changes were being made. Once the duct bank and piping were completed, a temporary stoned area was placed to facilitate the Godwin Pumps and VFD unit supplied by Xylem Co., as well as a temporary shed to house the PLC panel and a chlorine booster pump.



The existing structure was then demolished while protecting the existing pumps and piping that were left in place for reuse. Work continued with a masonry knee wall and framing for the new building, siding, roofing, and doors and windows. All new electrical work, plumbing and mechanical upgrades were then installed to bring the pump station back to full use.

Buck Seifert & Jost Engineers and United Water were a pleasure to work with, with timely turnaround times on submittals and coordination of shutdowns that made it possible to complete this project in such a short time frame.

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# United Water Delaware—36” Pipeline Upgrade

United Water, in Newport Delaware, and Stone Hill Contracting teamed up for a small, but large and fast paced, 36” pipe retrofit project. The two major items were cutting into an existing 36” feed line with no way to isolate the pipe, and installing a new butterfly valve. Once isolated, cut out an existing interior 36” flow meter, and spool piece and install a new replacement. The maximum time for the shutdown was two days. The exterior work would be accomplished by Range Line Tapping Services of Florida, who would install a line stop to shut off the flow and allow Stone Hill to cut out the existing pipe and install the new isolation valve. Work began with United Equipment Rentals supplying the excavation and sawing equipment and Trench Tech of Morrisville supplying the shoring. Concrete removal and excavation were complete by late afternoon on the first day, at which time a discovery was made of an existing 36” valve that was not shown on existing as build drawings. The valve was tested for operational purposes and found to be in good condition. Due to the time constraint, all materials such as the 36” valve from Raritan Supply, the 36”mega lug restrainer’s, and mechanical sleeve from LB Water were already delivered and had to be returned. Range Line Tapping was informed that the line stop was no longer required, although they were already in route for the install, they were kind enough to credit the job accordingly. Heritage Concrete supplied the concrete for the slab replacement.



The next day, the excavated hole was backfilled with stone and the resteel installed. Preparations were made for the interior flow meter to be removed. It was agreed by all parties that due to the approaching Tropical storm, work would be suspended until after the storm allowing appropriate chemical additions to the excess water flows expected. The crew began saw cutting the interior 36” pipe, United Water supplied the flow meter and by late afternoon the meter was installed and flows returned to the plant. Eastern Lift supplied the fork truck which enabled Stone Hill to shoe horn the large meter into place. Topsoil, seeding and mulch were installed and Stone Hill demobilized offsite. All in all, it was a well scheduled job. Thanks to all those that put forth their efforts in mobilizing their materials and equipment, used or not used, to assist the owner in getting this project complete.

## Northeast Philadelphia Project

The month of September was a challenging time as Venture II started with the installation of 460’ of new 12” plant water line located at road “C” including five new fire hydrants, 6” valves and valve boxes. Work progressed slowly as Venture II unearthed numerous unground utilities and abandoned concrete structures not shown on the contract drawings. Taking these delays in stride, Venture II pushed ahead and completed the installation. The balance of Venture II’s contract entailing the installation of four hose reel stations at road “A” should be complete by press time.

During this same time frame, Nucero Electrical Construction Co., Inc., Stone Hill’s electrical subcontractor, continued working at the Effluent Pumping Station. Work included setting five of eight new VFD’s, two new LDP panels, one transformer and completing the conduit runs from the plant water pumps to the VFD’s. The coming months will be a busy time as the balance of the electrical gear should arrive on site.

Along with the aforementioned electrical gear, the balance of the interior piping, plant water pumps, strainers and pump supports will be delivered during the next several months and will allow Stone Hill to start working in the Effluent Pumping Station. This along with installation of two of remaining slide gates at the east wet well should allow them to work through the winter months pushing for a final completion in early 2016.



## Warren Township WWTP Upgrade

The contract award for this \$2,461,720.00 project in Somerset County, NJ was received in April 2015. The project involves replacement of Oxidation Ditch and Final Clarifier equipment in each of the two process tanks as well as replacement of the existing UV Disinfection equipment. The oxidation ditch equipment will be supplied by Envirodyne Systems Inc. of Camp Hill, PA while the UV Disinfection equipment will be supplied by Trojan Technologies of Ontario, Canada.

In addition to the mechanical work, a cantilevered concrete slab will be constructed atop the existing UV Disinfection tank to increase the floor space to accommodate the new equipment. A fiberglass enclosure, supplied by Shelter Works, will enclose the new UV equipment and controls.

MBE Mark III Electric will perform the electrical work associated with the upgrades and Hays Sheet Metal will take care of the HVAC requirements including louvers, exhaust fan and heaters.

### Industry News

## New Direction for Hatch Mott MacDonald

Hatch and Mott MacDonald has announced that the Hatch Mott MacDonald (HMM) joint venture will be separated into two distinct businesses. HMM's Canada business will become part of Hatch while HMM's US business will become part of Mott MacDonald. HMM's Pipelines business, which operates in both Canada and the US, will also join Mott MacDonald.

Hatch Mott MacDonald was created 20 years ago as a joint venture providing engineering and professional services to the North American infrastructure market. HMM currently serves the transportation, water/wastewater, tunneling, and oil and gas pipelines markets. HMM has grown into a major engineering and infrastructure business, with 3,000 staff and 77 offices throughout the United States and Canada.

In addition to the HMM joint venture, both Mott MacDonald and Hatch provide services in various North American sectors outside of HMM's infrastructure markets. With the joint venture having more than fulfilled its original intent, Mott MacDonald and Hatch agree that the route to achieving their respective global growth ambitions is that they should now move forward as two separate businesses across North America.

Mott MacDonald and Hatch will continue to operate in all sectors throughout North America. The change will enable both companies to focus on all markets and services, offer more expertise to more clients, and provide their staff with greater opportunities. Keith Howells and John Bianchini, the CEOs of Mott MacDonald and Hatch, made the following comment: "At a time of significant renewal in North American infrastructure, this change allows Hatch and Mott MacDonald and the staff of HMM to build and invest in new ways."

Nick DeNichilo, Hatch Mott MacDonald's CEO, will continue to lead the Hatch Mott MacDonald business until the company separation is concluded. At that point, DeNichilo will become President and CEO of Mott MacDonald in North America following the separation of Hatch Mott MacDonald into two distinct businesses. Hatch Infrastructure in North America will be led by Michael Schatz, Managing Director of Infrastructure.

These arrangements are expected to be finalized by early 2016.

# DBIA Announces 2015 Design-Build Project of the Year and National Award of Excellence Winners

## Grogan & Dove Federal Building Honored as DBIA Design-Build Project of the Year

The Design-Build Institute of America (DBIA), the only organization that defines, teaches and promotes design-build best practices, announced the 2015 Project of the Year and National Award of Excellence winners last night at the Design-Build Conference & Expo Awards Dinner in Denver, Colorado. The Benjamin P. Grogan & Jerry L. Dove Federal Building won DBIA's highest honor, Design-Build Project of the Year, and the St. Jude Medical Center Northwest Tower and North Carolina's I-485 Outer Loop projects were also recognized for excellence in the critical areas of design and teaming.

## DBIA 2015 Project of the Year - Benjamin P. Grogan and Jerry L. Dove Federal Building, Miramar, FL

The Benjamin P. Grogan and Jerry L. Dove Federal Building, is a testament to the viability of design-build as a delivery method for complex projects and the winner of five National Design-Build Project/Team Awards in total. As a project excelling in multiple aspects, the Federal Building also earned Excellence in Category and the Excellence in Process and Excellence in Design (Architecture) Awards. The building, which operates as a Federal Bureau of Investigation (FBI) campus, totaled 383,000 square feet and was delivered on time and on budget, providing the owner with an iconic structure, capable of withstanding security threats while respecting the natural Florida landscape. Delivering the project through design-build allowed the team to utilize innovative strategies for delivering the most challenging aspects of the project.

## DBIA 2015 Excellence in Design (Engineering) - North Carolina's I-485/I-85 Interchange, Charlotte, NC

The improvement of the Charlotte, N.C., I-485 Outer Loop was a much anticipated upgrade for the city's overwhelmed transportation network. As one of the fastest growing cities in the country, Charlotte underwent extensive improvements to its transportation system; the last vital link of which was the upgrade of the I-485/I-85 Interchange. Two adjacent projects, the widening of I-85 to the northeast and the new alignment construction of I-485 to the northwest, were under design-build development concurrently, necessitating extensive coordination to make the precise geometric connections between the three projects. To tackle these challenges the owner turned to design-build and, as a result, capitalized on benefits that could only have been realized through the innovative delivery method.

## DBIA 2015 Excellence in Teaming - St. Jude Medical Center Northwest, Fullerton, CA

Winning the award that celebrates the successful relationships that are the cornerstone of design-build delivery, the St. Jude Medical Center team exemplified teamwork and collaboration from its beginnings. Through exemplary collaboration, the team was able to find effective solutions to daunting challenges McCarthy chose team members using a best-value approach, assembling them at the start of the conceptual design phase. The team leaders worked with Petra and St. Jude to establish a design charter that captured and prioritized contributions and set criteria that would meet the needs of all end users, including medical personnel and patients.

## DBIA 2015 National Award of Excellence by Category winners are:

Aviation - No Award of Excellence

Civic/Assembly - County of San Diego Waterfront Park & Parking Structure

Commercial/Office - Mission Hall: Global Health & Clinical Sciences Building

Education - University of Washington Tacoma - YMCA Student Center

Federal, County, State, Municipal - Benjamin P. Grogan and Jerry L. Dove Federal Building

Healthcare - St. Jude Medical Center Northwest Tower

Industrial/Process/Research - United States Cold Storage Distribution Center

Rehabilitation/Renovation/Restoration - Old Main Renovation

Transportation - I-485/I-85 Turbine Interchange

Water/Wastewater - Lawton Valley and Station No. 1 Water Treatment

## Stone Hill Continues to Build Backlog *(Continued from page 1)*

Stone Hill is also gearing up to begin work for the Camden County Municipal Utilities Authority (CCMUA) for their Sewage to Heat project at their treatment plant in Camden. For this design build project, Stone Hill has teamed with Dvirka, Bartilucci and Guarino Environmental Engineers, and equipment suppliers International Wastewater (grinder/heat pump/heat exchanger unit), Essex Engineering (control panel) and Hayward Gordon (submersible pumps). Rounding out the team is Scalfio Electric who has partnered with Stone Hill to do the electrical sub-contract work. This \$1.1 Million project is scheduled to be completed by late January 2016. The technology of this project is to take the un-screened influent and run it through a heat exchanger in an effort to raise the temperature of the glycol heat loop at the treatment plant. This is just one of many ways that CCMUA is implementing to strive for energy independence, and Stone Hill Contracting is proud to be a part of this initiative.

Last but not least by any means, Stone Hill Contracting was happy to be the apparent low bidder on a \$4.8 Million project for Ocean County Utilities Authority (OCUA), for the rehabilitation of some of their clarifiers at their central and south facilities. Stone Hill eagerly awaits the contract for this project, as OCUA was the owner on Stone Hill's largest project to date, a \$26 Million project at their South Plant which was bid in 2006.

Stone Hill also has a couple of other projects in the pipeline that should develop into the backlog schedule in the coming months. As Stone Hill continues through its' 35th year of operation, they are grateful for the work they have been a part of over the years, and are thankful to all of the many vendors, owners, design professionals and others who have been a part of their success, and the backlog they are building to continue that success for years to come.

## Stone Hill Contracting and Friends Support Operation Christmas Child

On Friday, November 13<sup>th</sup>, Stone Hill Contracting hosted an Operation Christmas Child packing party at their office. Approximately 15 people from several companies stepped up to help provide gifts to needy children throughout the world, who may never receive another gift as long as they live.

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.

Individuals and families decide whether they will pack a shoebox for a boy or a girl and then look for gifts appropriate for a specific age range. Prayerful shoppers search for items to delight a child: a toy car or a jump rope, a slinky or a doll. They look for practical things like pencils and paper, and necessary items such as a toothbrush and toothpaste. Whether toys, school supplies, or hygiene items, the giver seeks to pack their shoebox with as much fun and blessing as it will hold. Before closing the lid, the giver can include a note for the recipient, often complete with a photograph. The person who packed the gift then pauses to ask God to deliver the shoebox to just the right child—the child for whom the things inside would be especially meaningful or even be an answer to prayer.

Hundreds or thousands of miles later, the boxes clear customs, entering the care of Samaritan's Purse ministry partners who plan distribution events at churches and other locations. These distributions often begin with music or puppets and include a presentation of the Gospel that a child can understand. Then the big moment comes. Each child receives a shoebox and after a countdown, they all open their gifts at the same time. Squeals of delight and shouts of joy fill the meeting area. What goes into a box is fun, but what comes out is eternal. A gift of love in the form of a shoebox softens hearts and prepares them for the Good News of Jesus Christ. Children trust Christ for the first time, inviting Him to be their Savior. This changes families, neighborhoods and entire communities.

Stone Hill and their friends packed over 220 boxes this year for these young people. You can be part of this great event next year as the goal for next year is for Stone Hill reach 275 boxes. Boxes will be available at Stone Hill's office starting in October 2016. Start collecting your items now, or put a little money away each week to start saving up to assist with postage. A special thanks goes out all who helped to pack boxes and /or donated funds toward the cost of shipping. It was a great success and there are children throughout the world who will benefit greatly from the little bit of time and money that was put forth.



# Absolut Elyx and Water For People Join Forces to Bring Safe Water to 100,000 People

"The most important drink in the world? Water!" says Fred Armisen in a new, celebrity-filled video announcing an exciting partnership between Absolut Elyx and Water For People (WFP). The five-year partnership will bring access to safe water to more than 100,000 people worldwide.

For every bottle of vodka sold, Elyx will provide access to one week of safe water (140 liters) to someone in need through Water For People's work; for every copper pineapple drinking vessel (to be sold starting in October) sold, access to one month of water (560 liters) will be provided.

To help support the launch, Hollywood's brightest talent crafted a playful video with a purpose. Directed by SNL alum and Portlandia creator, Fred Armisen, and produced by Orange is the New Black star, Natasha Lyonne, the video features actors Miles Teller, Tracee Ellis Ross, Taylor Kitsch, Chloe Sevigny, Alia Shawkat, Paul Scheer, comedian George Wallace and musician Aimee Mann all engaging in a "casting call" for a commercial that never gets made.

Elyx, a luxury vodka from the Absolut Company, is working to transform and modernize the spirits industry – making social impact integration the rule rather than the exception. Elyx hopes that by leveraging its brand and partnering with Water For People, it will drive awareness and support for long-term solutions to the global water crisis. While Elyx has an ambition to help provide 100,000 people with access to safe water, that number could be even greater if consumer support is higher than expected.

Based in Denver, Colo., Water For People is disrupting and leading the water and sanitation sector. With programs in nine countries, Water For People brings together local entrepreneurs, community members and local governments to establish innovative, collaborative solutions that allow communities to build and maintain their own reliable safe water systems.

"While a spirits company and water non-profit may seem like an unlikely pair, water is the foundation of both our organizations," said Jonas Tahlin, CEO of Absolut Elyx. "We also share a commitment to integrity and sustainability, and together we hope to amplify the goals and urgency in solving the global water crisis."

"Water For People's goal is to bring access to safe water to Everyone Forever and we are thrilled that Elyx is joining us on this mission," said Eleanor Allen, CEO of Water For People. "By joining forces, Elyx will help us reach and engage new audiences, support our programs around the world, and ultimately bring access to water to 100,000 people."

The Elyx and Water For People partnership will support Water For People's Everyone Forever model. Through this pioneering approach, Water For People aims to reach every family, every school and every clinic with lasting access to safe water and sanitation across the nine countries in which they work.

"We want to ensure that we don't just fill our own glasses," added Tahlin, "but that we also help fill the glasses of those in need with the most important drink in the world: water."

## *ABOUT ABSOLUT ELYX:*

Absolut Elyx is a new definition of luxury vodka, built on the principles of quality, integrity and true craftsmanship. Every drop of Absolut Elyx is made with soft winter wheat from a Single estate, Rabelof, in Southern Sweden. The wheat is then manually distilled in a vintage copper column still from 1921. The still, operated by hand by a select few, is made entirely of copper. The result is an award winning vodka with a rich and exceptionally smooth mouth feel.

## Upcoming Water For People Event

**May 2016—Beer Tasting Benefitting Water For People.** Station Tap House, Doylestown, PA. More information to follow.

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*Address Correction Requested*



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Established in 1981, by Samuel A. Mott, Stone Hill Contracting is proud of their heritage, and their commitment to excellence. Throughout their decades of service, the employees and management of Stone Hill Contracting have prided themselves on their reputation of meeting or exceeding the needs of their clients. Specializing in water and wastewater treatment facilities, Stone Hill has performed work throughout the Mid-Atlantic region from Virginia to Northern New Jersey.

Although the majority of their work over the years has focused on the treatment plant field, they have also completed bridge and water control projects. With a client base mostly in the industrial and municipal markets, Stone Hill is proud to have numerous repeat clients, who have found Stone Hill's teamwork concept of working with the Owner, Design Engineer, Suppliers and Subcontractors, to be beneficial to all involved parties. Stone Hill's management team feels it is necessary for all parties to benefit in order to have a successful project.

**We're on the web at:  
[www.StoneHillContracting.com](http://www.StoneHillContracting.com)**

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