



# The Clarifier

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## Stone Hill Apparent Low Bidder on Landfill Project

Stone Hill Contracting Co., Inc., recently submitted the apparent low bid on a \$1,905,975.00 project for the Delaware County Solid Waste Authority, at their Landfill, which is located in Boyertown, Berks County, Pennsylvania.

The project, which is an upgrade to the existing Leachate Treatment Plant, involves largely mechanical work, including new pumps, work in four Sequencing Batch Reactor Tanks, new Ultraviolet Disinfection units, a Thickener and piping and controls. This type of work is very familiar to Stone Hill crews, because of their background in Water and Wastewater Treatment Facilities as well as their five years of experience at the Waste Management Landfills in Lower Bucks County, PA. Stone Hill looks forward to working with the Engineer, Doug McGill, as well as the Landfill Staff to make this project a success for all involved.

## Robert McIntyre Awarded Kenneth J. Miller Founder's Award for PA AWWA Section

Robert McIntyre, Stone Hill Contracting Co.'s Director of Development, was recently notified that he is the recipient of the 2010 Kenneth J. Miller Founder's Award for 2010 for the Pennsylvania Section of the American Water Works Association. The official plaques will be presented to all awardees during the AWWA ACE '10 Conference in Chicago during the week of June 20. Mr. McIntyre was the winner last year for the New Jersey Section, and his wife Sandy won the award for Pennsylvania Section.

This award is given to individuals who have demonstrated their dedication and commitment to the work of Water For People, the water industry and to their own communities. Each committee within the Water For People organization is permitted to recommend one winner of the award each year. Mr. David Legg, a long time supporter of Water For People and employee of American Water, was the recipient of this award from the New Jersey Section this year. Mr. Legg has dedicated many years to the water industry through his work at American Water, as well as his volunteer service to both Water For People and Rotary International.

It is a great honor to be awarded this honor, and Mr. McIntyre is proud to have received such an honor two years in a row.

Stone Hill Contracting and their employees are supporters for Water For People, by supporting local fund raising events as well as raising funds and awareness through their annual company fund raising efforts and their Water For People Gala, which is held each year in November at the William Penn Inn, in Gwynedd, PA.

Stone Hill congratulates Mr. Legg and Mr. McIntyre and well as all of the other awardees for the tremendous work they do to further the mission of Water For People to provide clean water and sanitary conditions to people in developing countries. If you would like to get involved visit Water For People's website ([www.WaterForPeople.org](http://www.WaterForPeople.org)) today.

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- Water For People Upcoming Events Calendar

# Borough of Morrisville Project Nears Completion



Thanks to fantastic delivery times from both the actuator supplier (Ives Equipment Corp.—formerly Fluid Controls) and the instrumentation supplier (Essex Engineering) the Borough of Morrisville valve actuator replacement and instrumentation upgrades project got off to a quick start. The rapid pace has continued with AC Scott installing new conduit and wire prior to the installation of the new valves and actuators, allowing the plant to put the filter back into service with minimal disruption. A cooperative relationship with the plant superintendent and his staff as well as top notch performances by those already mentioned should allow for the completion of this project almost a month ahead of schedule!

## NJDWSC Water Treatment Plant Improvements

The North Jersey District Water Supply Commission and Hatch Mott McDonald have been working to finalize changes to the original scope of work at the Wanque Water Treatment Plant. Stone Hill has submitted revised pricing for changes to the Polyaluminum Chloride, Aluminum Sulfate and Polymer Feed Systems, as well as the Filter Modification Work. Stone Hill continues with equipment submittals, and is prepared to begin construction of improvements, pending the execution of project change orders.

## Two Bridges Project Making Progress

Spring is here at the Two Bridges Wastewater Treatment Plant and with it concrete structures will soon be sprouting out of the ground. The earth work has begun and is being completed by Mike Fitzpatrick and Sons as well as Stone Hill's own forces. Timber piles will soon be installed under the UV structure by Ratto Construction. Hydro Gate sluice gates will be arriving at the job site in the next few weeks ready for installation. Work that has already been completed was the demolition of three existing storage tanks and the installation of a new masonry wall to create a new electrical room to power the new UV facility. The demolition was completed by M&A Recycling, the masonry work by CMU Construction and MBE Mark III will be completing all the electrical requirements on the project.



In the next couple of weeks, Stone Hill will be constructing a dog house manhole around an existing 54" PCCP pipe. Stone Hill will also be constructing a new overflow chamber as well as starting the new UV facility.

After the dog house manhole and the over flow chamber are constructed, new 48" ductile iron pipe will be installed from an existing tee to the new UV facility as well as to the existing post aeration tank. Raritan Supply is supplying the pipe, Mike Fitzpatrick and Sons is installing the pipe and Ratto Construction is installing the piles under the pipe.



Stone Hill is looking forward to working with the owner and Hatch Mott McDonald to see this project to a successful and timely completion.

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# Stone Hill Completes GROWS 2009 Gas Project in 2010

The GROWS 2009 Gas Project ended up taking a back seat to old man winter. The job was postponed in December of 2009, and then restarted in the beginning of April, 2010. The Stone Hill crew installed all the various 4, 6, 12 and 14 inch HDPE pipe in basically 1-1/2 months. All the piping materials were purchased and supplied by Waste Management, while the project was over seen by Golder Associates. Although the project was small in size, the demands of working on the 3 to 1 slopes must be respected. The excavation of trenches over installed protective liner needs to be handled with delicate care, positioning of equipment, materials and manpower must always be top priority, or you could find your job and equipment slipping away! (pun intended)



It can be a little tricky installing 500 lf of 12" pipe in a trench at one time

## Stone Hill Attacks the Screw Pump Replacement at Fort Dix



Stone Hill and Thackray Crane Service remove old screw pumps

Stone Hill Contracting teams up with S & E Services to replace two existing screw pumps at the Fort Dix Municipal Waste Water Facility. One of the existing pumps has been out of service for 2-1/2 years with the other unit being used as a lag pump only. The existing flows were controlled by incorporating two Godwin 6" submersible pumps into the existing PLC controls, allowing complete removal and replacement of both pumps at one time. The new screw pumps were supplied by Siemens Corporation in Atlanta, Georgia, along with a new automatic lubrication system provided by Malco Products in Monroe, Maine. The retro fit of the two pumps was as smooth as anyone could hope for, a job well done by Siemens. The electrical controls for the new pumps as well as

the bypass connections were manned by AC Scott Electric of Trenton NJ. The new units are now in service and are operating smoothly; there is another pump that is in dire need of replacement which is scheduled to be completed in about six months. Special thanks to all involved in this project, a job well done!!



New pump begins descent into its final resting position

## Jersey City Project Gets Underway



The Jersey City Water Backwash Supply Tank project kicked off in mid-May. Stone Hill Contracting Co., Inc. has begun excavating for the new storage tank as well as installing some yard piping that goes underneath the storage tank. Capital Supply is the supplier of the piping materials. North East Aquastore is supplying the 723,000 gallon glass lined storage tank which is expected to be delivered by press time. Spark Electric is the electrical subcontractor for this project.

Stone Hill is looking forward to working with Jersey City Municipal Utilities Authority as well as Hatch Mott MacDonald on another project.

## Industry News

### **American Water CEO to Speak at World Environment Day**

American Water (NYSE: AWK), the largest investor-owned U.S. water and wastewater utility company, announced its president and chief executive officer Donald L. Correll is speaking as an industry expert during the United Nations' World Environment Day "Water Matters! Global Water Conference". The conference is being held on June 3 in Pittsburgh, Pa. as part of the North America celebration of World Environment Day 2010.

Correll will serve on a panel discussion, moderated by Juliet Eilperin of The Washington Post, about water as an economic driver. He will discuss the critical need for water and wastewater infrastructure investment in the U.S. and how these projects help create jobs and stimulate the economy.

With more than 30 years of leadership experience in the water industry, Correll has served as president and CEO of American Water since 2006. He is the immediate past president of the National Association of Water Companies, and he serves on the boards of a variety of civic, professional and business organizations, including the U.S. Chamber of Commerce and the Environmental Financial Advisory Board of the U.S. Environmental Protection Agency.

The United Nations Environment Programme appointed Pittsburgh, Pennsylvania to be North America's Host for World Environment Day 2010. World Environment Day was established by the United Nations General Assembly in 1972 at the Stockholm Conference on the Human Environment. Commemorated each year on June 5, World Environment Day is one of the principal vehicles through which the United Nations stimulates worldwide awareness of the environment and enhances political attention and action. With thousands of events in six global regions, namely, North America, Latin America and the Caribbean, Africa, Asia and the Pacific, West Asia and Europe, World Environment Day is considered one of the largest environmental events of its kind.

Founded in 1886, American Water is the largest investor-owned U.S. water and wastewater utility company. With headquarters in Voorhees, N.J., the company employs more than 7,000 dedicated professionals who provide drinking water, wastewater and other related services to approximately 16 million people in 35 states and Ontario and Manitoba, Canada. More information can be found by visiting

### **Aqua Pennsylvania Receives Governor's Award for Environmental Excellence**

Aqua Pennsylvania, Inc. is among a select group of companies chosen by the Pennsylvania Environmental Council (PEC) to receive the Governor's Award for Environmental Excellence at a ceremony to on April 20 at the Sheraton Harrisburg Hershey Hotel. Aqua was selected to receive the prestigious award for its recent construction of a 1.1 megawatt photovoltaic solar farm at its Ingram's Mill Water Treatment Plant in East Bradford Township, which serves drinking water to the West Chester, PA area.

The Governor's Awards for Environmental Excellence are presented each year by the Pennsylvania Department of Environmental Protection to highlight the best in environmental innovation and expertise throughout the Commonwealth. The awards are the highest statewide honor bestowed upon businesses and organizations for environmental performance and innovation from cleaning up watersheds, saving energy, and eliminating pollution, to reducing waste and more.

Aqua's Ingram's Mill renewable energy project uses high-efficiency panels to convert sunlight into useful power, thereby reducing the region's power generation requirements. The \$6 million project was partially funded with a \$1 million grant through the federal stimulus program which is administered through the Pennsylvania Energy Development Authority (PEDA). The 4.5-acre solar farm is the second largest solar installation on the East Coast. Among the benefits of the new facility are that it:

- offsets the need for 3,000 barrels of oil each year; or
- avoids the equivalent of 2.6 million car miles each year; or
- reduces CO<sub>2</sub> emissions by 1.4 million pounds each year.

"We are extremely honored to be selected by the state to receive this award," said Aqua's Chairman Nicholas DeBenedictis. "We are very proud to employ cutting edge green energy technology to support our ability to provide one of the world's most valuable and sustainable resources—drinking water," said Aqua Chairman Nicholas DeBenedictis. "Our 125-year-old company was created out of concern for the environment and public health so it makes perfect sense to have a sustainable clean energy source to power our water treatment plant."

## New Lamella Clarifier to Debut at AWWA ACE.10

Chicago will host the annual American Water Works Association Annual Conference and Exposition June 20 -23, 2010. McCormick Place Convention Center will be the hub of activity for thousands of people who work in the water industry.

WesTech Engineering, Inc. will debut a new product; the SuperSettler® Lamella Clarifier. A complete production model of this remarkable process equipment will be on display at booth number 347.

The SuperSettler® allows for rapid clarification of high water flows with equipment size and footprint requirements which are a fraction of conventional clarifier tanks.

Visitors will have access to examine the unique settling plates that make these units the best selling of this type of technology in the world. An observation platform will allow for easy viewing of the inner workings of the tank and a clear understanding of the operating principles at work.



Please visit ACE.10 booth 347 and talk to us about applications for WesTech technologies that can be useful in optimizing water resource man-

## Ten High School Seniors Receive “Stream Of Learning” Scholarships From Pennsylvania American Water

Pennsylvania American Water announced recently that 10 high school seniors throughout Pennsylvania have been selected to receive Stream of Learning Scholarships, with each student earning a \$2,000 scholarship. The company inaugurated the scholarship program this year to support outstanding students who are charting a course of study that is critical to the water and wastewater industry.

A panel of judges selected the winners from more than 40 scholarship applications, which were evaluated on such criteria as anticipated course of study, academic achievement, letters of recommendation and interest in future careers critical to the water and wastewater industry.

Pennsylvania American Water awarded its 2010 Stream of Learning Scholarships to Roman Bargo (Butler Senior High School), Bryce Beard (Red Land High School), Dustin Betz (Cumberland Valley High School), Benjamin Gauthier (Peters Township High School), Nichole Heil (Abington Heights High School), Raymond McGrew (Thomas Jefferson High School), Ashley Snyder (Holy Redeemer High School), Ryan Soule (Butler Senior High School), Paula Valdisera (PA Learners Online in Bethel Park), and Julia Zgorliski (Bethel Park High School).

“We launched the Stream of Learning Scholarship Program to encourage and support outstanding students who are pursuing studies that are essential to the future of our industry,” said Pennsylvania American Water President Kathy L. Pape. “These students not only exhibited a high level of academic achievement, but they also exemplify dedication to environment stewardship and to their communities.”

## Local Students Score Top Prizes in Pennsylvania American Water “Protect Our Watersheds” Art Contest

A pair of Spring-Ford Intermediate School students earned two of the three top prizes for eastern Pennsylvania in Pennsylvania American Water’s 8th Annual “Protect Our Watersheds” Art Contest, with one of the students earning the grand prize for the entire state. The announcement coincides with National Drinking Water Week, which runs from May 2-8.

Spring-Ford fifth-grader Taylor Ruffo earned first place for eastern Pennsylvania and the grand prize for her artwork depicting a healthy stream with fish and wildlife, titled “Let’s not lose sight, let’s all unite.” Classmate Emma Holliday placed third for eastern Pennsylvania. The two students will receive gift cards to Barnes & Noble for their winning entries.

This is the third year in a row that a Spring-Ford Intermediate School student collected the top prize in Pennsylvania American Water’s art contest. As the grand prize winner, Ruffo will have her artwork featured on “bloomer cards” distributed across the state by Pennsylvania American Water. Bloomers are seed-filled cards that, when planted and tended, produce a variety of wildflowers. In 2009, Spring-Ford’s Sydney Hill won the grand prize.

Statewide, more than 700 fifth-grade students submitted artwork for Pennsylvania American Water’s contest.

# Water For People Unveils New Branding

March 25<sup>th</sup> was a busy day at Water For People, as they unveiled their new strategic plan as well as their new branding.



With all the successes in the field and in the entire organization, you may have noticed that they launched a new look and a new brand for Water For People. Now that they are in their 20th year, they've upgraded their logo, reset their website and created a look to match the power of their programs. They took the power of their work in the field and built on the ideas of: transparency, impact, reflection, community and diversity to build the new logo.

While rebranding themselves, Water For People chose a new tag line that they believe talks to what they do. Water For People creates change in the world—whether it's water systems, sanitation solutions or hygiene education—they're creating change on the ground for real people every day. That's current. And Water For People is dedicated to staying at the forefront of development and how they can affect change every single day to improve the lives of those they serve.

## Water For People Strives to Put a Sustainable End to Water Poverty

Water For People ([www.waterforpeople.org](http://www.waterforpeople.org)) announced on March 25<sup>th</sup> their 2009 results, unveiled their 2010 – 2014 strategic plan along with new branding, and, most importantly detailed their ambitious plans to transform the sector by becoming a role model on how to measure success in the Water and Sanitation arena. The Denver-based international developmental organization is calling for fundamental change in how the sector operates, including empowering communities in the field to take responsibility and ownership of the systems put in place. This approach leads to true sustainability versus the cycle of dependency that plagues so many other well-meaning but ultimately unsuccessful efforts.

“It is no surprise they are taking ambitious steps to improve their own organization as well as the entire industry,” said Stephen Rosenthal, philanthropist and CEO of Strategic Comp. “Their visionary approach goes beyond just counting how many people have services that first year; it places greater emphasis on how long those systems last, if they are truly sustainable in future years. I think this innovative approach is the only one that will work long-term to solve the water and sanitation crisis in developing countries. But since it goes contrary to what is standard and expected, I suspect they are ruffling a few feathers along the way.”

Water For People works in districts and municipalities in India, Africa, and Central and South America where their goal is to provide total, sustainable coverage of water and sanitation needs in all communities schools, and clinics. They leverage their finances by insisting that communities and local government contribute financially to their water and sanitation solutions; this creates enduring, stable cultures of payment for value rather than short-term, unreliable dependency.

“We are shifting focus and energies towards making sure that every community we support continues to have flowing water in the future – not just on the day it was first provided. We will commit to showing that these systems are still operational 3, 6, and 10 years later,” explained Edward Breslin, Water For People CEO. “That’s our vision; a world in which all people have access to safe drinking water and are free from sanitation-related disease.”

That overarching vision is reflected in their just released 2010-2014 strategic goals:

- Achieve total sustainable water sanitation and hygiene coverage in at least two regions in each country where Water For People works.
- Demonstrate increases in government counterpart funding for water supply and sanitation in all the regions where we work with at least five examples of government providing over 50% of the hardware.
- Focus on sustainable areas verses number of people served or beneficiaries.
- Demonstrate that Water For People can move from a direct facilitation role to a mentoring role in at least one country by 2014.

These goals may seem ambitious but Water For People's track record speaks for itself. In 2009, Water For People surpassed its toughest 2007- 2011 goals two years ahead of schedule. including doubling its reach worldwide. They started up programs in six new countries including Rwanda, Uganda, and the Dominican Republic. Even with this growth, Water For People continues to demonstrate operational excellence and fiscal accountability. For the seventh consecutive year, Charity Navigator, America's leading charity evaluator, has awarded Water For People its highest rating of four out of four stars.

Many of these principles were hinted at in Breslin's essay, “Hydro-philanthropy”, which has become a viral success since its publication in February 2010. [www.waterforpeople.org/hydrophilanthropy](http://www.waterforpeople.org/hydrophilanthropy)

## Partnership Created to Support Research in Rwanda

Water For People ([www.waterforpeople.org](http://www.waterforpeople.org)) and the Water Environment Research Foundation (WERF; [www.wref.org](http://www.wref.org)) announced their exciting partnership to support research in water resource management in Rwanda. Under this new partnership, Water For People will study the uses, development and stewardship of water in the tiny east-African nation, while WERF's advisory group will help guide the process, ensuring that lessons learned for the local context have validity for the international effort to meet the growing crisis of water scarcity.

Nina Miller, Senior Manager of Thought Leadership at Water For People, said, "As a sector leader in sustainability, Water For People seeks constantly to expand its capacity to innovate and field-test its innovations, with the ultimate aim of improving the way we and the sector accomplish our work. Our newly-created Fellowship in Innovation and Sustainability identifies and supports an outstanding scholar in the pursuit of original research. We support that scholar's work because it promises to contribute directly to the knowledge base of Water For People program staff and the sector as a whole."

The Fellow, Steph Ogden, is focusing her research on a case study of IWRM in the Water For People–Rwanda country program. In support of this work, WERF has provided an advisory group, or Project Subcommittee (PSC). This group of international, cross-disciplinary

## Water For People Golf Classic is Once Again a Success

On May 3<sup>rd</sup>, the AWWA NJ Water For People Committee hosted their Annual Water For People Golf Classic at the Royce Brook Golf Club in Hillsborough, NJ. Over 130 people participated, and helped to raise over \$20,000 for Water For People.

The event is already scheduled for next year at the same venue on May 2, 2011. Mark your calendars, and get your reservations in early!



Pictured L to R: Chris Evans, Max Mott, Brian Hyde and Sam Mott

## Upcoming Water For People Events

**June 25<sup>th</sup>** The PA AWWA Water For People Committee will be sponsoring their **4<sup>th</sup> Annual Water For People Wine Tasting** at the Fairmount Water Works Interpretive Center, in Philadelphia. The Wine School of Philadelphia will assist attendees in identifying the concept taste and what to expect from eight (8) different grape varieties from around the world. The cost is \$80.00 per person or \$150.00 per couple, and reservations are available by contacting Randi Malkiewicz at Stone Hill Contracting (215-340-1840). Sponsorship opportunities are available for this event.

**July 16<sup>th</sup> Water For People Night at the Trenton Thunder** – The AWWA NJ Water For People Committee along with the membership committee will be sponsoring a get together night at the Trenton Thunder vs Reading Phillies baseball game, which is being held at beautiful Waterfront Park, in Trenton, NJ. The Thunder, a Yankees affiliate, will be hosting the Phillies, a Phillies affiliate, in what looks to be an awesome game. Tickets are just \$11.00 per person and are available by contacting Bob Corvino (215-340-1840) or Joe Goodwill (215-928-2208). Proceeds from ticket sales go to Water For People. Bring out the family for a great night in Trenton. Sponsorship opportunities are available for this event.

**July 24<sup>th</sup>** will get you running for water in more than one way, with the **2<sup>nd</sup> Annual AWWA NJ Water For People Run For Water – 5K, 1/2 Mile Fun Run and Toddler Dash**, which is being held at the historic Monmouth Battlefield State Park, in Manalapan, NJ. For more information on this event contact Michael Johnson at (201) 767-3111. Sponsorships are available for this event.

**August 5<sup>th</sup>** HDR Presents Water Uncorked, a wine tasting event benefitting Water For People. Don't miss this great opportunity to enjoy an assortment of fine wines and delicious appetizers in a beautifully renovated Pittsburgh location. 6PM – 8PM at Enginehouse 25, 3339 Penn Avenue, Pittsburgh, PA 15201 For More Information Contact RaeAnne McAteer by calling 412-497-6002 or by e-mail at [RaeAnne.mcateer@hdrinc.com](mailto:RaeAnne.mcateer@hdrinc.com). Deadline for registration is July 22, 2010.

**August 30<sup>th</sup>** is the date of the **4<sup>th</sup> Annual PA AWWA Water For People Committee Charity Golf Outing**. The event this year will be returning to the prestigious Sandy Run Country Club in Orelan, PA. Single golfer fee is \$170. Sponsorships and foursomes can register by contacting Bob McIntyre or Bob Corvino at Stone Hill Contracting (215-340-1840).

These are all great opportunities for you to show your support for Water For People, and they are also great networking events for you and your company.



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*Celebrating Over 25 Years  
of Excellence*

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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**Address Correction Requested**