



The Clarifier

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Please Join Us for the Fifth Annual Water For People Gala

Stone Hill Contracting, along with industry and non-industry people, will be holding the 2010 Water For People Gala at the William Penn Inn (Route 202 and Sumneytown Pike, Gwynedd, PA) on Thursday night, November 4th. The evening will feature an open bar, full dinner, and dancing to the sounds of a Disc Jockey. All proceeds from the event will be donated to Water For People to help them continue to expand their work throughout the world. Stone Hill Contracting has chosen Water For People as their charity of choice because of their connection to the Water Industry. Each November, Stone Hill's employees embark on a mission to raise funds for this worthwhile cause by holding this dinner, and by soliciting employees, friends and vendors, to give what they can, as a way of giving thanks during the Thanksgiving season. Last year, over \$10,000.00 was raised, and the hope of all involved is that it will be possible for even more funds to be raised this year.



If you would like to be a part of this event, or if you would like to make a donation to this fundraising campaign, please contact either Randi Malkiewicz or Bob McIntyre at the Stone Hill Office, or go to their website at www.StoneHillContracting.com. While at the website, you will be able to register for the dinner, or you can get more information about what Water For People is doing throughout the world.

Stone Hill Apparent Low Bidder on Project in Union County, NJ

Stone Hill Contracting was the apparent low bidder, on another project on August 6th, at the Linden-Roselle Wastewater Treatment Plant in Linden, NJ. The \$564,990 project is for furnishing and installing a new 58' diameter sludge tank floating cover. The work will include limited site work, demolition, concrete work, piping, the cover assembly and sandblasting and painting the cover. Stone Hill looks forward to once again working with CDM (Engineer) and their subcontractors on this project when awarded. It is hoped that award will be expeditious and that the project will be completed by summer of 2011.

Annual Stone Hill Picnic Fun for All

It was a beautiful day, August 7, 2010, for the Stone Hill Annual Family Picnic at Camp Curiosity in Doylestown. Employees, friends and associates joined together for the annual event, and enjoyed fun, food and conversation.

The children, as well as some parents, enjoyed good food, swimming, games and crafts. Lots of fun was had by all—hope to see you next year!



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Special points of interest:

- Water For People Gala
- SHC Apparent Low Bidder on New Project
- Welcome to the World Lucas Duston Mott

Delaware County Solid Waste Authority (DCSWA) - Rolling Hills Landfill

Stone Hill has entered into a contract with the Delaware County Solid Waste Authority which includes the general and mechanical construction for upgrading and expanding the Leachate Treatment Plant at the Rolling Hills Landfill. A pre-construction meeting was held in early August. The project team has been put together, and they are putting the final pieces in place before mobilization. Together with the many equipment vendors involved on this project, some new and many of the same vendors Stone Hill has worked with in the past, the team has begun to process the shop drawings required before equipment can be released. The vast majority of the work involves changes to the existing plant, all of which is inside a large building, so this should be one job where weather is not a factor. Stone Hill has been told that the DCSWA is anxious to have this job completed as soon as possible, and they look forward to a cooperative experience with the authority and the suppliers whose equipment is to be installed in the plant.

Two Bridges Project On Schedule

Stone Hill Contracting has made tremendous progress on the Two Bridges project. They have completed construction, and put into full service both the new Overflow Chamber and Doghouse Manhole.

During the month of June, there were two major plant shut downs to facilitate work that had to be done by Stone Hill. The first shut-down occurred overnight on Saturday, June 19th, 2010. This was done in order to facilitate the replacing of a sluice gate at the existing suction well and to cut a 2'-0" x 8'-0" opening between the existing and new overflow chambers. On this particular occasion, the work began at 10:00pm Saturday and ended at 5pm the following Sunday.

The second shut down occurred on Saturday, June 27th, 2010. This allowed Stone Hill to cut an opening in the portion of the existing 54" reinforced concrete outfall pipe that runs through the doghouse manhole. Stone Hill had to employ the services of Walker Diving to install an inflatable ball plug in the pipe between the river and the doghouse manhole.

This was to prevent the water from the river running back into the pipe that had to be cut.

All exterior concrete walls at the new UV building have been poured. The interior walls and lower slab should be done by press time.

M&A Recycling has started the demolition work at the post aeration tank and should be done within the next two weeks.

In the coming weeks, Stone Hill expects to start pouring the wall extensions and slab at the post aeration tank. CMU Construction will be able to start construction on their portion of the UV building. Fitzpatrick and Sons will be able to install drainage and 48" pipes and Ratto Construction will be able to drive their remaining piles.



Overall, Stone Hill is making steady progress and would like to thank everyone involved in the project for their expertise, hard work and ongoing dedication.

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PO Box 1370

Doylestown, PA 18901

Samuel A. Mott, President

David C. Mott, Vice-President

Robert K. McIntyre, Editor

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Jersey City MUA Project Running Ahead of Schedule

Since the last issue of the Clarifier, Stone Hill Contracting has completed the tank excavation. North East Aquastore, the tank supplier/builder, has finished pouring in place the tank's ring wall and base slab. They have now started to erect the tank itself, which they anticipate taking about a month to complete.

The work that remains for Stone Hill Contracting includes the installation of a catch basin along with drainage pipe, installing a 36" butterfly valve and a 36' tele- flex coupling.

The project is running ahead of schedule and therefore should be finished ahead of time. Stone Hill Contracting would like to thank all of their Steelworkers and subcontractors for all their hard work.



NJDWSC Project Encounters Some Contract Changes

Stone Hill recently received a change order including several deletions and additions to the project scope of work. The major item of work deleted was the Waste Wash Water Storage Tank. In addition, the associated site work, yard piping, process equipment and instrumentation involved with this structure were also deleted. Other items of work deleted from the contract included the stainless steel chemical injection tower, several new door installations, fiberglass pipe enclosures and the PACL recirculation pumps.

The added work involves modifications to the existing thirteen media filters including the installation of air scouring equipment to be supplied by Roberts Water Technologies, Inc., four new 100 HP Gardner-Denver blowers, stainless steel air distribution piping and new gravel filter media.

Hatch Mott MacDonald and the NJDWSC have also completed design changes to the lime feed system and Stone Hill expects the go ahead on those changes shortly. In addition, numerous electrical changes have been presented involving power distribution to the new chemical feed systems and blowers. Negotiations on these changes are expected to be concluded shortly.

Stone Hill looks forward to resuming the construction phase of the project.

Effluent Pilot Study Begins at G.R.O.W.S. Landfill

Due to new constraints being applied by the Delaware River Basin Commission (DRBC) and the Pennsylvania Department of Environmental Protection (PA DEP) on effluent discharges of treatment plant process, Waste Management has invited the project team of Rochem, Nalco and Stone Hill to construct and operate a pilot study consisting of membrane processing along with reverse osmosis treatment.

The system provides treatment for removal of organic and inorganic compounds and reductions in total dissolved solids, thus enhancing the discharge and allowing compliance with the new constraints.

Another concern of the process is the ammonia removal. The system constantly has to treat various concentrations of ammonia, due to the ever changing nature of leachate in the landfills. At this time, additional bench tests are being conducted to address this issue.

Although not all test results have been recorded as of yet, what has been recorded, shows the unit working extremely well.



Pilot Study Campus: Permeate, Condensate and Concentrate Tanks, with RO Unit Housing.

**Announcing the Newest Edition to the Mott Family
Lucas Duston Mott was born Thursday, August 12, 2010 weighing in at 8 lbs. 12 oz.
Congratulations David and Jennifer!**

Industry News

Registration and Housing is Now Open for WEFTEC® 2010 in New Orleans

Registration and housing is now open for WEFTEC 2010, the Water Environment Federation's 83rd annual technical exhibition and conference. This year's event will take place October 2-6, 2010 at the New Orleans Morial Convention Center in New Orleans, LA.

If it's about water, it will be at WEFTEC. As the largest water quality conference in North America and largest annual water quality exhibition in the world, WEFTEC continues to offer the best educational, business and networking opportunities in the water profession today. This year's world-class technical program will feature 112 technical sessions, 35 workshops and six local facility tours. A wide range of topics and focus areas allow attendees to design their own, unique learning experience while earning up to 35 contact hours for continuing education units and 9 professional development hours.

The 2010 focus areas include collection systems, instrumentation, & automation, industrial issues & treatment technology/microconstituents, leading edge research, residuals & biosolids management, sustainability/energy conservation, utility management, water reclamation & reuse, watershed issues, and more. As a complement to the technical program, WEFTEC's unrivaled exhibition will provide access to more than 900 exhibiting companies and the latest developments, research, regulations, solutions, and cutting-edge technologies in the field.

Other conference highlights will include the Opening General Session that will feature Steven Solomon, economics journalist and author of the best-selling book, *Water: The Epic Struggle for Wealth, Power, and Civilization*; the Students & Young Professionals' "Bioswales in the Bayou" community service project that will construct a bioswale in one of the neighborhoods still recovering from Hurricane Katrina; poster sessions, the design competition, the 23rd annual Operations Challenge competition, and much more.

Registration rates will not increase for WEFTEC 2010. Please visit www.weftec.org for full details.

Leading Global Water Organizations Launch New Journal

The Water Environment Federation (WEF), WaterReuse Association (WRA), and the WaterReuse Research Foundation (WRRF) has announced the launch of a new trade and professional journal, *World Water: Water Reuse & Desalination*™. The collaborative journal, designed to address the growing informational, technical and operational needs of global water reuse and desalination professionals, will be unveiled at WaterReuse's 25th Annual Symposium this September in Washington, DC. The initial issue will be launched at WEF's 2010 Annual Meeting, WEFTEC 2010, in October.

WEF and WaterReuse will initially publish the new journal on a quarterly basis in both print and electronic formats. Plans call for the expansion to six annual print and electronic issues by the end of 2011, with translation into Chinese and Arabic to follow. Also planned is a companion, peer-reviewed journal that will be aimed towards academics, engineering students, and the technical reuse and desalination communities.

"This new journal will allow both the WaterReuse Association and our Research Foundation to communicate valuable information to our members and subscribers as well as provide leading edge information on water reuse and desalination to interested water professionals all over the globe," said WaterReuse Executive Director Wade Miller. "We are pleased and excited to be publishing this journal in partnership with WEF."

Modeled after WEF's highly successful international trade journal, *World Water*, the editorial content of *World Water: Water Reuse & Desalination* will reflect the global outlook, knowledge, and technical expertise of water supply solutions unique to the growing area of reuse and desalination. Editorial content will include potable water and industry reuse issues; seawater desalination; water quality issues in reuse and desalination processes; and the financial, policy, and public acceptance aspects of water reuse and desalination.

"Increasing pressure on the world's water resources is driving the demand for water reuse and desalination, two sectors experiencing dynamic growth within the global water community," said WEF Executive Director Bill Bertera. "*World Water: Water Reuse & Desalination* is designed to address the growing demands for timely information, insight and technical expertise in these areas."

ITT Technology Gives New Meaning To Mountain Fresh At The World's Largest UV Facility

With a capacity to treat up to 1.8 billion liters per day of water, the largest UV disinfection facility for drinking water in the world to date – the Seymour-Capilano Filtration Plant – celebrated its grand opening on May 7.

The state-of-the-art plant actually became fully operational in January, but the celebration was put off due to preparations for the 2010 Winter Olympics held in the Vancouver area in February.

The plant is equipped with 24 WEDECO K 143 Series ultraviolet (UV) light disinfection reactors from ITT Corporation, said Hui "Arthur" Ouyang, the company's western district manager for Canada. Located in the Greater Vancouver Regional District (GVRD) of British Columbia, it draws its water from the Seymour and Capilano reservoirs. Along with the Coquitlam Reservoir – all fed by namesake mountain watersheds north of Vancouver – they supply water for 2 million residents in the region. About 70 percent of the area's drinking water needs are met by the Seymour and Capilano watersheds.



"The 24 low pressure, high intensity lamp UV reactors are configured with one reactor after one filter. Each reactor has a capacity of about 20 million gallons per day (MGD). Every reactor has exactly 48 lamps in four rows of 12, with additional space for a fifth row for future expansion," Ouyang said.

ITT, a global leader in the treatment and transport of water and wastewater, was chosen in late 2004 to introduce UV disinfection technology to the plant based largely on a much lower life cycle cost of the WEDECO system over competing brands. This included operation and maintenance as well as energy efficiency savings. The WEDECO system uses approximately two-thirds less energy than comparable medium pressure UV systems.



Validated according to U.S. Environmental Protection Agency guidelines, the WEDECO K Series of UV reactors are for large flow drinking water applications. The WEDECO Spekthrotherm lamps are powered by the latest electronic ballast technology designed specifically for this lamp and controlled by a highly selective calibrated UV intensity sensor that allows for significantly lower energy costs. It also decreases the overall chemical use in drinking water.

ITT Completes Acquisition Of Godwin Pumps

ITT Corporation, a global high-technology engineering and manufacturing company and a leader in the transport and treatment of water and wastewater, announced that it has finalized the acquisition of Godwin Pumps, as first announced on June 21, 2010. Godwin is a leading supplier of automatic self-priming portable pumps used in the growing markets for drainage pump rental, services and sales serving the global industrial, construction, mining, municipal, oil and gas segments.

"Combining the Godwin team with our own creates a leading offering in dewatering pumps and services, and fits well with our strategy to build on our strong global positions in water and wastewater management," said Gretchen McClain, president of ITT's Fluid and Motion Control group. "Adding the specialized products and skills of the world-class Godwin team to our broad Flygt and Grindex submersible pump portfolio and ITT global sales network means our customers will have access to one of the broadest dewatering capabilities on the market."

Godwin Pumps employs approximately 850 employees located throughout the United States and at its manufacturing facility in Gloucestershire, England. It brings to ITT a U.S. rental fleet of more than 6,000 pumps at 26 equipment rental facilities and a network of approximately 50 distributors worldwide. Godwin's 2009 revenues were approximately \$200 million, with full-year 2010 revenue projected to be about \$235 million. The business will operate within ITT's Water & Wastewater business.

Water For People Attains 2011 Goals

Water For People announced at their semi-annual board meeting recently that they had already achieved almost all of their 2011 goals, a full two years ahead of schedule. Ned Breslin, CEO, states, “We are thrilled with these results and deeply grateful to both our donors and our volunteers. Our donors provide the financial backbone of our organization. And our volunteers are equally crucial. From our local volunteers that perform fundraising and awareness, to our international volunteer organization, World Water Corps® that provides technical expertise and monitoring, we could not do it without them.”



Some of Water For People’s highlights for 2009 include:

- Serving almost 400 communities, a 90% increase over 2008
- Serving almost 250 schools, an 80% increase over 2008
- Over 100,000 sanitation beneficiaries served, a 26% increase over 2008
- Over 200,000 water beneficiaries served, more than double the 2008 number
- Over 50% growth in the World Water Corps® volunteer program

Breslin continued, “We are thrilled to be two years ahead of schedule and that much closer to achieving our vision of a world in which all people have access to safe drinking water and are free from sanitation-related disease.”

“There is a saying that luck happens when opportunity meets planning. But make no mistake about it, achieving already aggressive goals two years ahead of schedule was not mere luck,” said industry observer and philanthropist Stephen Rosenthal. “Water For People is an outstanding development organization with solid management and a compelling vision. They have been strategic and forward-thinking in their approach to community involvement. They are disciplined in their approach to measurement and monitoring, always looking to improve the permanency of water and sanitation solutions. They are merciless in conducting critical reviews of their own operations.”

“The World Water Corps supports Water For People’s goal to make sure our projects are still functional and even self-sustainable 3, 6, 10 years after implementation,” explained Andrew Britton, World Water Corps Manager. “Our volunteers serve as independent monitors and evaluators—ensuring integrity and objectivity in data collection and reporting. They also fill technical gaps in the field, which allows Water For People to stay lean and dedicate more resources to field programs rather than adding overhead.”

Caetie Ofiesh, a volunteer with Water For People’s World Water Corps, explained, “I admire Water For People’s dedication to sustainability through their monitoring program, and their willingness to be honest about what works and what doesn’t work. It’s easy to cut a ribbon for a new water system, but the real victory is 5, 10 years later when that system is still working after all the ribbons are gone.”

She continued, “I’ve been to Malawi three times with the World Water Corps. The experiences that are my favorite are the opportunities to connect with people or enjoy moments that are worlds away from the worlds we come from in the US and Canada, and then you realize in fact, that people and places aren’t always as different as we think.”

“While we celebrate these impressive results, we are simultaneously setting new, even more aggressive goals,” said CEO Breslin. “We are building new methods to improve and automate our measuring. The only way Water For People and the entire water and sanitation sector will eradicate water poverty is if we continue to raise the bar, and never settle for the status quo.”

For more information about volunteering at Water For People, email volunteers@waterforpeople.org



Water For People Holiday Wreath Sale Returns

Due to the overwhelming success of last years' campaign, the Water For People Holiday Wreath sale has returned. There will once again be a selection of four wreaths and one centerpiece. All orders and payments are due by November 1st, with product delivery beginning the week of December 6th. Please help us raise funds for Water For People by purchasing some for family, friends and colleagues —they make great gifts!



**The Center of Attention
Holiday Centerpiece**

For more information or to receive a catalog, please email either Randi Malkiewicz at rmalkiewicz@stonehillcontracting.com or Grace Media Services at sales@GraceMediaServicesInc.com. All major credit cards are accepted and each piece is individually wrapped and boxed and shipped anywhere you wish in the continental United States.



**The Mount Cadillac Holiday
Wreath**

Kenneth J. Miller Founders' Award Winners Announced

Right on the heels of announcing overachievement of their 2009 goals, Water For People announced 20 winners of their prestigious Kenneth J. Miller Founder Awards. The Founders' Award was established in 2001 as a special recognition for volunteers who show outstanding service to this international humanitarian effort. The awards ceremony was held today during the American Water Works Association's Annual Conference & Exposition in Chicago.

"We are thrilled to have a rich and diverse volunteer corps to assist Water For People in realizing our vision where no one dies from water or sanitation related disease," said Ned Breslin, CEO. "We have over 60 local volunteer committees throughout the US and Canada and another 150 volunteers in our World Water Corps® working to create more transparency to our efforts. Today we honor 20 outstanding volunteers, but we remain grateful to each and every volunteer who contributed to our phenomenal success over the last year."

"Our volunteer committees help with fundraising, raising almost \$1,000,000 in 2009 alone," explained Jodi Lundin, Senior Manager of Strategic Partnerships. "Equally important, they help raise awareness by spearheading education and outreach in their local communities."

"Water For People is a very compassionate organization aimed at helping folks achieve the most basic of humankind necessities — potable water and adequate sanitation," said Chet Auckly, one of this year's winners. "I strongly believe in this noble cause and I respect their commitment to avoid creating dependency among the communities they serve. Their unique approach of collaborating with the local community to build long-lasting solutions, and of measuring success over the long term, is the only way we will ever truly eradicate water poverty. I'm also very humbled and honored in being nominated to receive the Kenneth J. Miller Founders' Award!"

This year's winners include: Jeff Biggs of the Arizona Section- American Water Works Association; Douglas Campbell of the Western Canada Section- American Water Works Association; Chet Auckly of the California-Nevada Section- American Water Works Association; Pasquale "Pat" Radice of the Florida Section- American Water Works Association; Sarah Hudson of the Indiana Section- American Water Works Association; Matthew T. Millis of the Intermountain Section- American Water Works Association; Mark Cramer of the Iowa Section- American Water Works Association; David B. Shehee of the Kentucky/Tennessee Section- American Water Works Association; Joel Annable of the Michigan Section- American Water Works Association; Chris Voeltz of the Minnesota Section- American Water Works Association; David Legg of the New Jersey Section- American Water Works Association; Mike Post van der Burg of the New York Section- American Water Works Association; Lisa Edwards of the North Carolina Section- American Water Works Association; Hazel Fetters-Sletten of the North Dakota Section- American Water Works Association; Don Hoekstra of the Ontario Section- Water Environment Association; Jeanne Lejeune of the Pacific Northwest Section- American Water Works Association; Robert McIntyre of the Pennsylvania Section- American Water Works Association; Warner Palermo of the Puerto Rico Section- American Water Works Association; Craig Patterson of the Rocky Mountain Section- American Water Works Association; and Neil Higa of the Texas Section- American Water Works Association.



**PUBLISHED IN THE
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*P.O. Box 1370
252 W. Swamp Road, Ste. 19
Doylestown, PA 18901*

*Phone: 215-340-1840
Fax: 215-340-1991
Email:
clarifier@StoneHillContracting.com*

*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**

Watch for the next issue
of the *Clarifier* coming in
December 2010

Stone Hill Contracting Co., Inc.
P.O. Box 1370
Doylestown, PA 18901

Address Correction Requested