



The Clarifier

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Stone Hill Contracting Awarded Contract for Jersey City Water

Stone Hill Contracting Co., Inc., finished out the year by receiving the award on a \$1,144,200 project for the Jersey City Municipal Utilities Authority, for the construction a new Backwash Supply Tank at the their Water Treatment Plant in Boonton, NJ.

The project encompasses some site and yard pipe work, minimal electrical work, as well as the construction a new glass lined bolted steel tank. The project should begin in the early Spring, and has a completion time of 9 months. Stone Hill is looking forward to working with Jersey City Municipal Utilities Authority on another project, as well as their proposed Sub-Contractors of Spark Electric and Northeast Aquastore.

Stone Hill Contracting and HDR Engineering Work Together on DB Project

Stone Hill Contracting, along with HDR Engineering have been contracted by Madison Canuso Richwood Village LLC, to prepare the Treatment Works Approval (TWA) Permit Modification for a new 700,00 Gallon Wastewater Treatment plant in Gloucester County, NJ. The Stone Hill Contracting – HDR Engineering Team is working with Van Cleef Engineering, who is designing the discharge field for the plant under a separate contract with the local municipality. At press time, the permit application had been filed and the New Jersey Department of Environmental Protection was reviewing the application. Once approved, it is expected that Stone Hill Contracting will be authorized to move forward with the Design Build project of completing the multi-stage project. Stone Hill Contracting is thrilled to be moving forward with this project, with which they have been working on for four years. The Stone Hill - HDR team has worked together for years, pursuing Design Build work through the Mid Atlantic Region, and they continue to solicit work of this nature as it becomes available.

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- North Brunswick Reaches Completion
- Water For People Upcoming Events Calendar

Stone Hill Enlisted to Help at Fort Dix



Existing Influent Screw Pumps at Fort Dix

Stone Hill Contracting recently received the Design Build contract to replace two of the three influent screw pumps at the wastewater treatment plant that serves the Fort Dix Military Base in Burlington County, NJ. The project which is an exact replacement of the existing pumps has already commenced, and should be completed by mid spring. The scope of work for the small project includes the installation of a temporary bypass pumping system, which will enable the removal of two of the existing three pumps. Once the bypass is in place, the two pumps can be removed and new ones, which are being supplied by Siemens, can be installed. In addition to the pump replacement, a new automatic oiler system, and controls will also be installed. Stone Hill looks forward to working with their electrical subcontractor, A.C. Scott, on this project, as well as the people that operate the treatment plant for Fort Dix.

NJDWSC Wanaque Water Treatment Plant Improvements

Work has begun on the protective coating and lining applications at the existing underground concrete chemical storage tanks. These tanks will store Poly-aluminum Chloride (PACL) and Polymer. Each of the four tanks have a capacity to store approximately 30,000 gallons of chemical. Stone Hill has cleaned three of the four existing concrete storage tanks and TIII Enterprises, our painting subcontractor, has performed the surface preparation in two of the tanks.

Stone Hill has begun installing the piping for the new polymer, Pacl and Alum chemical feed systems and has constructed chemical containment areas in the basement of the existing chemical building.



Pouring the Containment Curb at the Existing Chemical Building

The North Jersey District Water Supply Commission and Hatch Mott MacDonald have been working on changes to our original scope of work involving several of the treatment processes. Although this has created some delay in initiating the work the ultimate goal is to provide the commission with treatment capability better suited to their current and anticipated future water treatment needs. Changes under consideration involve the lime feed equipment, waste washwater storage and filter modifications.

North Brunswick Project Reaches Completion

Another project comes to a close as the North Brunswick WTP Upgrades finished up. Trailers are offsite, and the staging areas have been restored as AWE Enterprises continues to familiarize themselves with the new plant operations. Things are much quieter now than they have been for some time as the demobilization comes to a close.

Now is the time to thank all those who took part in the \$16,000,000 project, from the Owner (Township of North Brunswick), Engineers (CH2M Hill and CME Associates), and Plant Operators (AWE Enterprises), to the subcontractors, material suppliers, and Stone Hill



Filter Building and Gravity Feed Tank



Interior of Filter Building

employees who made this project such a success.

It has been said often, but it could not have been done without the tremendous time and efforts from all those involved!

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Tank T-5 Project Meets DEP Deadline

Stone Hill Contracting closes another chapter on a storage tank project for Waste Management. It just seems like yesterday that Stone Hill announced in the newsletter that they were starting this fast paced project and now sadly they are complete. The project will give Waste Management the additional storage required for their expanding landfill, which was deemed urgent, due to the DEP time constraint of 12/31/09, which Stone Hill is proud to say they achieved.



Aeration Pipe Additions for Tank T-5

This project was able to meet this deadline by the exceptional performances of the following individuals and suppliers: ERG Engineers fast paced submittal review, and onsite engineering adjustments; Fluid Controls for their exceptional deliveries and hands on assistance; North East

Aqua Store for their outstanding performance and quality on the tank erection; Specialty Support for the exceptional workmanship in pipe and support fabrications; Ashbrook Hartley for completing the fabrication and material deliveries prior to the deadline; Tangibl, LLC for the excellent electrical and instrumentation installations; and last but not the least the Stone Hill employees. Without the efforts of all of these parties, none of this could have been completed on schedule.



Stone Hill Crew Installing Final Tank Piping

Borough of Morrisville Project Gets Underway

The majority of the “office” work has been completed for the Borough of Morrisville Valve Actuator Replacement and Instrumentation Upgrades project, as all submittals have been approved and materials have been released. Stone Hill forces are anxiously awaiting the deliveries of these materials so they can begin the work in the field. This work includes the replacement of existing valve actuators, installation of new knife gate valves, replacing existing filter control panels, and modifications to existing control panels. Close coordination with the Owner, valve supplier (Fluid Controls), instrumentation supplier (Essex Engineering), and electrical subcontractor (AC Scott Electric) will be required as filters need to be taken out of service, work completed, and tested one at a time in order to minimize disruptions to an existing plant.

Stone Hill Begins Work at the Two Bridges WWTP

Stone Hill Contracting has began mobilizing for a project for the Pequannock, Lincoln Park and Fairfield Sewage Authority at the Two Bridges Waste Water Treatment Plant. Stone Hill expects to start earthwork in mid to late March for the new UV Facilities. The building will be placed on timber piles. This work will be performed by Ratto Construction. MBE Mark III will be completing the electrical requirements for the project. The new Trojan Technologies UV Equipment is being supplied by GA Fleet Associates. Atlantic Fluid Technologies is supplying new Hydro Gate sluice gates.

The project also includes rehabilitating the existing Post Aeration tank. The work for this includes removing the top of the structure and raising the walls six feet and reinstalling a new top slab. Installing a new Sanitaire aeration system, two new blowers, four new Floway Vertical Turbine Pumps, and a new Generator. The instrumentation on the project will be performed by Essex Engineering. Raritan Supply is supplying the ductile Iron Pipe and fittings for the project which includes 42” and 48” pipe.



Existing Site at Two Bridges WWTP

Stone Hill looks forward to working with the owner and Hatch Mott MacDonald who is the engineer of record on the project.

Industry News

Infilco Degremont and United Water Establish Water Research Center

United Water has jointly launched a unique collaborative effort with its sister company, Infilco Degremont, Inc., establishing United WERCs, a Water Environmental Research Center to spearhead innovative efforts in providing safe drinking water and state-of-the-art wastewater treatment.

The launch of the center was kicked off by corporate executives of both businesses and Industry representatives at a ribbon-cutting ceremony at Degremont's North American R & D facility in Richmond where four major research projects already are underway. The companies plan to invest more than \$1.2 million in 2010 in the projects, which include two focused on improving drinking water supplies and two dealing with wastewater treatment issues.

"These investments will help us continue to provide safe and affordable drinking water to our many clients and customers throughout the United States and ensure the best technology is used to protect the environment," said Bertrand Camus, chief executive officer of United Water's nationwide water and wastewater operations.

The research center is accredited by the R+i Alliance, an organization created in 2005 by Suez Environnement, the parent of both companies. It is designed to promote collaboration between United Water, which brings a history of operational excellence, and Infilco Degremont, which offers the industry's best products and equipment in water treatment services.

The initial projects include innovative management techniques to recharge groundwater aquifers without causing naturally occurring contaminants in the rock to migrate into the water, testing of treatment processes to remove pharmaceutical and personal care product contaminants from drinking water, improved wastewater treatment methods to remove certain contaminants from methane gases used for energy production, reducing energy consumption for applications of advanced membrane bioreactor technology in wastewater plants and finding better and less expensive methods to transmit customer water usage data central control.

While the initial projects were awarded by the Alliance, United WERCs will also pursue research funded by and in collaboration with other industry organizations, universities and government entities.

ABOUT INFILCO DEGREMONT, INC.

Infilco Degremont, Inc., is one of the world's leading provider and manufacturer of water treatment equipment, and is a subsidiary of Degremont S.A., the water specialist within SUEZ ENVIRONNEMENT. Active in over 70 countries with nearly 4,600 employees, Degremont achieved sales of EUR 1,014 million in 2008.

ABOUT UNITED WATER

United Water provides water and wastewater services to 7.3 million people in the United States. In addition to owning and operating 20 regulated utilities, United Water operates 240 municipal and industrial systems through public-private partnerships and contract agreements including three of the nation's largest water and wastewater contracts. The company's affiliate, Utility Service Company, is the nation's leading provider of long-term water tank management contracts with municipal and industrial clients. Its partner, Infilco Degremont, is one of the world's leading water treatment equipment providers and manufacturers. Founded in 1869, United Water is a subsidiary of SUEZ ENVIRONNEMENT.

Roberts Filter Group Has New Headquarters

The Roberts Filter Group has announced the opening of the company's new corporate headquarters at 214 N. Jackson Street, Media PA. For the past 100 years, the headquarters have been located at the company's primary manufacturing facility in Darby, PA. In addition to domestic sales, engineering, and executive functions, the new headquarters will also house Roberts' International Group, the subsidiary that handles overseas business for Roberts Filter Group. Roberts International is headed by Matt Roberts, Director of International Sales.

Young Engineers from Ramsey, NJ Win Trip to New Jersey American Water Plant

Three students from St. Paul Interparochial School in Ramsey, NJ who built a stunning model of the city of the future now have a visit to a New Jersey American Water treatment plant in their future. The seventh and eighth grade students won the New Jersey American Water “Healthiest Community” award at the New Jersey Future Cities competition held at Rutgers University in January. For their winning efforts, the students will tour one of the company’s water treatment plants to learn about how water is obtained, treated and delivered to thousands of New Jersey residents. They will witness first hand how the designs of engineers facilities that supply high-quality water to the state. The visit will also serve as an example to the students of future career choices in the fields of engineering and science.

St. Paul Interparochial team members Marissa Proscia, Matthew Sabatini, and Kelly Hallissey, dedicated over 150 hours to their Future City which they named “Paradiso Verdi.” With the help of parent engineer advisors, the team used household materials to create a self sufficient, green, city model equipped with outstanding health facilities necessary for the well being of its inhabitants.

Suzanne Chiavari, vice president of engineering for New Jersey American Water, marveled at the students’ creation: “It was truly impressive to see all the hard work that went in to creating their project. The St. Paul Parochial team advanced ideas as to what a future city should look like. They have promising futures in engineering. We greatly look forward to hosting them at our water treatment plant, and hope to expand their knowledge of engineering opportunities.”

Approximately 60 teams of seventh and eighth grade students throughout the state, participated in the New Jersey Future Cities Competition, now in its 18th year. Several awards were given out to the more than 200 7th and 8th grade students who built model futuristic cities, attempting to solve this year’s challenge, “Creating Green Living Spaces to House the Neediest.”

Design-Build Institute of America (DBIA) Issues New Mission and Values Statement

At their 2009 annual conference in Washington, DC, DBIA’s Board of Directors voted unanimously in support of a new vision, mission and values statement that expands the organization’s original and exclusive focus on design-build project delivery to include objective evaluation and education in other integrated delivery methods. DBIA, however, maintains its position that design-build is the original and optimal form of integrated delivery.

When DBIA was founded in 1993, design-build was just emerging as a significant force in the design and construction industry. Since then, the Washington, DC, based Institute has established a network of regions and chapters throughout the U.S. that link all participants in the design-build process — owners and design and construction practitioners. Through DBIA’s efforts, legislation authorizing design-build in the public sector has been passed in all but one state and the Design-Build Institute of America has become the center of expertise for integrated design-build project delivery — advocating best practices, creating and disseminating educational information and furnishing advice and support to facility owners and users.

Rank-and-file members used an audience response system to weigh in on the Institute’s refined direction. DBIA members responded positively to the new vision, mission and values statement. Throughout the three-day conference, members displayed badges with the slogan, “Integration Is Our Foundation.” “Because the DBIA Board of Directors is composed of owners and practitioners actively engaged in design-build project delivery, it is no surprise that the leadership and members share a definitive perspective on the future of the Institute,” said Lisa Washington, DBIA’s Executive Director. “We feel fortunate that during a time when other design and construction organizations are struggling to move forward, DBIA members and leaders are coalescing around a singular vision.”

The 2010 Board of Directors reflects the organization’s commitment to engaging the full spectrum of owners and design and construction professionals. Approved during the membership luncheon, the incoming Executive Committee of the Board consists of: an owner, Chairman John Young, President, American Water; an architect, Vice Chairman Greg Gidez, AIA, DBIA, LEED AP, Corporate Design Manager, Hensel Phelps Construction Co.; a construction company executive, Treasurer Robert Nartonis, Senior Vice President, M.A. Mortenson Company; and an engineer, Member-at-Large Barbara Wagner, PE, LEED AP, Senior Vice President, Clark Construction Group, Western Region. DBIA’s 2009 chairman, Tom Porter, DBIA, Tom Porter Services, LLC, will continue to serve the executive committee as Immediate Past Chair.

“DBIA members agree that design-build is the original and optimal integrated project delivery method, yet we remain open to technological and process-oriented advances in project delivery,” said 2010 DBIA Chair John Young of the new vision, mission, and values statement. “Our shared vision reflects a fundamental commitment to consistently improving and further integrating the design and construction delivery process for the successful integrated delivery of capital projects.”

Water For People Receives Four-Star Rating From Charity Navigator



Charity Navigator, America's leading charity evaluator, has awarded Water For People its highest rating of four stars for the seventh consecutive year. This award is reserved for charities that demonstrate the highest levels of operational excellence and fiscal management.

Only 2% of the 5,000+ charities rated by Charity Navigator have achieved the remarkable feat of earning this award for seven or more consecutive years. With this exceptional designation, based on 2008 fiscal performance, Water For People again demonstrates to supporters that the organization is transparent, accountable, and trustworthy.

"Charity Navigator provides an important service to donors looking for independent verification of a charity's fiscal effectiveness. We are pleased to be recognized for our careful stewardship of donor dollars," says Ned Breslin, CEO of Water For People. "We look forward to continued recognition not only for our fiscal responsibility but also for the transformative field results we achieve in Africa, Asia, and Latin America."

One of the key metrics used in Charity Navigator's rating process is the functional allocation of resources, as measured by the percentage of revenues used for program expenses as opposed to administrative and fundraising expenses. As measured by this standard, Water For People has always achieved the highest rankings.

Charity Navigator plans to expand the ratings system beyond one based purely on financial factors into one that also measures accountability and outcomes. According to a recent public blog written by Charity Navigator president & CEO Ken Berger, "The most critical dimension in evaluating a nonprofit has to do with achieving meaningful results."

Breslin supports Charity Navigator's new direction. "Meaningful results in the water and sanitation sector can only be measured by whether water is flowing, toilets are being used, and people are paying for their services long after we have finished our work in a particular village. Water For People is well placed to maintain its high standing because we value and invest in programmatic monitoring, allowing us to understand how donor dollars are impacting people's lives. We are committed to providing lasting water and sanitation services in the most effective and sustainable manner," he explains. "We believe that our focus on programmatic outcomes verified by annual monitoring visits, along with our financial strength and accountability translates into the highest level of service for the people we support around the world and our donors."

Rosenthal Family and Donors Bring in More Than a Million Dollars

For the second year in a row, donors of Water For People partnered with philanthropists Stephen and Sandy Rosenthal with the goal to raise \$1 million, and once again surpassed the benchmark in support of improved sanitation, safe drinking water solutions, and hygiene education in developing countries.

"We are thrilled and grateful beyond words for the amazing generosity shown by our supporters. The Rosenthal family has given us a rare opportunity to rally the Water For People community and the results will have a tremendous impact on the communities we serve. Thank you to everyone who participated and once again showed the world what we can accomplish together," said Katie Scolari Borden, Water For People director of Resource Development.

For the last two years, the Rosenthal Family has contributed \$500,000 with the goal of leveraging their gift. The family challenged Water For People donors to match their gift dollar for dollar and raise \$1 million in support of Water For People's programs around the world. This year, over 823 donors responded to the challenge and donated more than \$798,000, totaling \$1,298,735 within two months' time.

The Rosentals became interested in supporting Water For People because of its proven success, ability to expand services, and innovative approach.

"Water For People's monitoring and evaluation results were very compelling. The tangible proof of sustainability made me feel like my money and time would be well invested," Stephen Rosenthal said. He saw "the wisdom of the model, particularly when compared to others."

Mr. Rosenthal has visited Water For People programs in Malawi and Rwanda and has seen firsthand the impact of this campaign. In fact, funding from last year's challenge was instrumental in helping Water For People's expansion efforts.

The Rosentals' \$500,000 gift is the largest donation ever pledged to Water For People by a family. The organization is deeply grateful to both the Rosentals and the organization's donors who stepped up to the challenge and surpassed the million-dollar mark once again. For more information on how you can support Water For People and its programs, please visit <http://www.waterforpeople.org>.



Annual NJ Water For People Golf Classic Coming to Royce Brook Golf Club

On May 3, the 2010, the NJ Water For People Golf Classic will once again be held at Royce Brook Golf Club in Hillsborough, NJ. The golf club features two 18 hole courses, including one private and one public course, and the Water For People Committee has reserved both courses for this tremendous charity event. Each year, this event is the main fund raising event for the NJ Water For People Committee, which supports clean, sustainable drinking water projects in developing countries.

Stone Hill Contracting has long supported Water For People, and they encourage you both personally and corporately to join in the struggle to help these people in developing countries, receive sustainable clean water and sanitary facilities.

If you would like to be a part of the 2010 NJ Water For People Golf Classic, whether by being a sponsor or playing at the event, please contact Bob McIntyre at Stone Hill Contracting (215-340-1840), or you can go to the AWWA New Jersey Section website at www.NJAWWA.org, or you can email Bob Corvino at racorvino@StoneHillContracting.com.



Hole 15, West Course

Let's all work together to make this outing the best one yet, and at the same time, help more people throughout the world receive hope for a brighter future, through the work of Water For People.



Upcoming Water For People Events in Pennsylvania and New Jersey

The AWWA Committees in both Pennsylvania and New Jersey are working hard to raise money and awareness for the Water For People organization. Many activities are planned in the coming months and you are encouraged to take part in some, if not all of them.

June 25th The PA AWWA Water For People Committee will be sponsoring their **4th 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 16th 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 24th will get you running for water in more than one way, with the **2nd 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 30th is the date of the **4th 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 Oreland, 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. Where else can you have the availability of over 100 Water Industry Professionals in one location? So bring your friends, family, business associates, clients, or the person walking down the street, because what we do on a local level can have a world-wide impact on the lives of thousands of people.



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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**

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

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Address Correction Requested