

The Clarifier

VOLUME ELEVEN, ISSUE FOUR

DOYLESTOWN, PA

SEPTEMBER 2015

November Events at Stone Hill Contracting

This November, Stone Hill Contracting will be holding two important events, and they would like to invite each of you to take part in one or both.

Inside this issue:

On Thursday evening, November 5th, Stone Hill Contracting will once again be hosting the Annual PA AWWA Water For People Gala at the William Penn Inn in Gwynedd, PA. This annual event was started by Stone Hill as part of their annual Water For People month, where they raise funds and awareness for people in developing countries who do not have access to clean water or sanitation.

The Gala begins with cocktail hour at 5:00 pm and dinner is served at 6:00 PM. Join engineers, owners, vendors and other colleagues for networking while raising money for a great cause. Registration forms can be found on the Stone Hill Contracting website (www.StoneHillContracting.com.) Even if you are unable to attend, there are many levels of sponsorships available.

Also during November, Stone Hill will be collecting and assembling gift boxes for the organization Samaritan's Purse for their Operation Christmas Child Program. This program collects donated shoe boxes filled with gifts and distributes them all over the world to people in need. On Friday, November 13th, join Stone Hill employees, vendors, friends and others as they join together to pack Operation Christmas Child boxes. The party will start at noon and pizza will be served. Donations of items to include in the boxes are being accepted and stored at Stone Hill's office. Last year Stone Hill delivered around 150 boxes, and this year the goal is 250. Not an easy task, but with everyone's help, it can be done!

Empty boxes and more information are available in Stone Hill's office or by visiting www.samaritanspurse.org. All shoe boxes need to be at Stone Hill's office no later than November 13th, in order to be included in this year's collection.

Why not pick-up some boxes from Stone Hill (or you can use your own shoe box) and then bring the filled boxes to the Water For People Gala, and help Stone Hill help millions of needy people throughout the world, this November?

NEWPCP, PVSC Sound Enclosures, PVSC Final	2
GROWS Tank T-110, Baxter WTP	3
Bayshore Regional Sewerage Authority	4
Industry News	5-7
Charity News	7

Special points of interest:

- Water For People Gala
- Operation Christmas Child Shoebox Packing

Stone Hill Awarded Project for United Water New Jersey

As the Clarifier went to press, Stone Hill Contracting received word that they received the award on an \$819,326.00 project for United Water at the their Lambertville Water Treatment Plant in New Jersey. This project, which will be a quick one, must be completed by the end of November 2015.

The work of this project involves the installation of a temporary bypass system, installation of a temporary pump station structure, demolition of the existing High Service Pump station, reconstruction of a new pump station, extensive electrical work, new metal covers over the existing openings in the pump station, yard piping, removal of the temporary pump system and restoration of the site.

As this is Stone Hill's first project directly for United Water in New Jersey (Stone Hill has previously performed work for United Water New Jersey at the Jersey City Water Plant, where United Water handles the operations of the plant), Stone Hill looks forward to establishing a long lasting relationship with them.



Northeast Philadelphia Plant Water System

Work has continued in earnest since last reported, with the bulk of the early contract work by Stone Hills' electrical subcontractor Nucero Electrical Construction, Inc. This work comprised of installing new 4" aluminum conduit from the new VFD room to five of the new plant water pumps, de-energizing one of the three existing plant water pumps to allow for the pump's demolition along with installing temporary power to the two remaining plant water pumps rounded out the early stages of construction.

Beginning in Mid-April, Venture Two construction started the installation of the new 12" plant water line along with five new fire hydrants between the primary sedimentation tanks and aeration tanks on road "B". This work was completed along with a small change order adding an additional 158' LF of 12" plant water line and one new valve by the third week of July. The balance of the Venture Two contract, which includes the installation of an additional +460 LF of 12" plant water line and five new fire hydrants on road "C", is scheduled to be completed by press time.

Looking ahead should see the delivery and installation of the new plant water pumps, dilution water pumps, strainers, piping and three slide gates. Nucero's plate is also full as the new VFD'S, MCC and security system deliveries will arrive during the next several months. Finally, Stone Hills' subcontractor Five Star Mechanical's installation of approximately 1000 LF of 2" & 3" stainless utility water line will be started and completed by late September.

Passaic Valley Sound Enclosures Reaches Completion

Stone Hill Contracting was able to complete the second enclosure, supplied by Industrial Noise Control, Inc., by the end of June. With the adjustments made after the first enclosure, the second enclosure was installed with little delay.

Hays Sheet Metal completed the installation of the new exhaust fan and intake louver.

Stone Hill was also given a change order to clean up the concrete pads for both enclosures, which has also been completed.



PVSC Final Clarifier Project

The Clarifier Newsletter is published quarterly by Stone Hill Contracting Co., Inc. PO Box 1370 Doylestown, PA 18901

Samuel A. Mott, President
David C. Mott, Vice-President
Robert K. McIntyre, Editor

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

After getting the approval for change order work that will extend the project to October, Stone Hill Contracting has completed the demolition work to remove the existing ducking skimmers, and has installed and welded the new skimmer supports to the rake arms in tank IA.

Aulffo Painting will now begin to blast and repaint

the clarifier rake arms in tank IA.

Aulffo Painting has finished in tank IC, which had about five times the amount of work because the bay had extra steel to support the extra weirs. This has opened up a lot of work for Stone Hill Contracting to reinstall all the weirs, grating, handrail, and new equipment supplied by Enviroidyne Systems.



GROWS Tank Project



Stone Hill Contracting along with Mid- Atlantic Storage Systems and Tangibl LLC, near the completion of Waste Management's new one million gallon storage tank, Tank T-110. The project commenced in April and has moved at an accelerated pace and was nearing completion at press time.

Currently, all HDPE piping, valves, aeration system, concrete work, tie-ins and blower installations are complete, along with all required testing. Tangibl LLC is finishing up their electric work and Trijay Systems is installing the logistics for the plant SCADA system. French Parello Associates is presently doing the survey work for the project as-builts.

Once reaching the substantial completion and startup date, Ace Insulation and Tangibl will install the specified heat trace and insulation required to finalize the project.

EarthRes Engineering, who designed and performed the onsite inspections for the project, is finalizing the certification forms for DEP.

Others who have helped move the project along in a timely matter are: Ives Equipment (valve supplier), Lee Supply (HDPE pipe and fittings), ISCO (HDPE pipe products) Harrington Industrial Plastics (PVC pipe and fittings), Lincoln Plumbing Supplies, Alfa Laval (aeration system), Atlas-Copco (blower supplier), Specialty Supports (carbon and stainless steel pipe fabrication) and of course, the Waste Management Landfill family. To all those above, Stone Hill Contracting would like to say "thank you" for a job well done.



Baxter Water Treatment Plant Project Complete

Work has been completed at the Baxter Water Treatment Plant. Most recently, Stone Hill has been performing the work of widening the roadway, paving, testing the system with water, training, and startup of systems. It is anticipated that the 30 day acceptance test of the new Ferric Chloride Storage Tank and Distribution System will be completed by press time.

This project started a year ago beginning with building a 120' foot long deck with canopy for PWD trailers that Stone Hill relocated. Once this was relocated, work began to re-route underground piping consisting of sewer and drain piping. It was at this time the bulk of the work followed including excavation, tank containment and building footers, concrete containment structure, underground HDPE piping and chemical manholes to the influent channel, setting of the four 50' fiberglass storage tanks supplied by Augusta Fiberglass, installation of pumps and piping, miscellaneous site work, and much more, all performed by Stone Hill. Paving was performed by Venture Two Contracting, Electrical work by Philips Brothers, and Instrumentation and Control Panels by Trijay Systems just to mention a few.



Thanks to everyone who participated to complete this project.

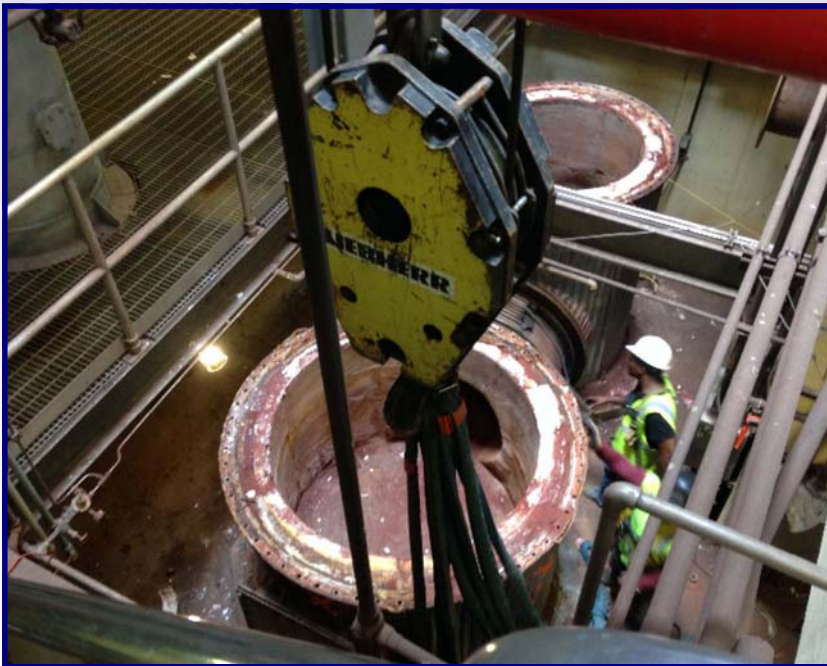
BRSA—Niro Incinerator Repair & Mitigation

In late October 2012, Super Storm Sandy devastated the coastline of New Jersey. In her path of destruction, was the Bayshore Regional Sewerage Authority Wastewater Plant and she did not tread lightly as she traversed Union Beach, New Jersey. The basements of the Dorr-Oliver and Niro Incinerator buildings were flooded from floor to ceiling. The key equipment necessary to run the incinerators, as well as much of the electrical system was compromised. This brought sludge processing, as well as, many other key components at the plant to a halt. The efforts of many in the community were required to get the plant to an operational standpoint as quickly as possible after the storm. A daunting task to say the least!

Fast forward to June 2015, when Stone Hill Contracting mobilized on site to begin the repair and mitigation project of the Niro Incinerator, designed by Hazen and Sawyer. This project includes large scale mechanical and electrical demolition of the equipment in the Niro building basement, and the replacement of that equipment meeting the new emission requirements for incinerators. The electrical aspect of the project includes relocation of the MCCs that fed the incinerator equipment, as well as new conduit and wire to all the gear that was submerged. New flood walls are also being constructed around the Niro and Dorr-Oliver buildings to protect the structure from future storms.



MBE Mark III has begun the electrical demolition phase of the project. They disconnected and safed off the electric to the mechanical items marked for demolition. They have also begun to remove much of the electrical conduit that was submerged during the storm. Currently, plans to temporarily feed some of the equipment needed to run the Dorr-Oliver incinerator components to allow demolition of those electrical devices are being formulated.



Jack Pears and Associates has mobilized on site and begun the mechanical demolition in the Niro and Dorr-Oliver buildings. Removal of the damaged equipment in the Niro basement includes the removal of a 46,000 lb. primary heat exchanger through the roof of the Niro building, as well as, a secondary heat exchanger, wet electrostatic precipitator, scrubber, quench, pumps, blowers, ductwork, piping and much more. Currently, the demolition in the Niro building is almost complete and the Dorr-Oliver building demolition is well underway.

Stone Hill Contracting is preparing to begin the construction of the flood walls around the Niro and Dorr-Oliver buildings. The first challenge is to design and employ a system to support the upper 13' of brick façade around the two buildings to allow demolition of the lower 4' of the façade. After the façade is supported, work to install the flood walls can begin. The next part of the project, once protected from the possibility of flooding, is to re-install the equipment necessary to run the Niro incinerator. Some of the equipment has long lead times and will not be on site until late this year.

Industry News

Liesel Adam to Succeed Aurel Arndt as Chief Executive Officer of Lehigh County Authority

The Lehigh County Authority's Board of Directors has unanimously voted to appoint Liesel Adam to succeed Aurel Arndt as Chief Executive Officer, upon his retirement at the end of this year.

Arndt joined the Authority in 1974 and has held several positions during his tenure, including Business Manager, Assistant General Manager, General Manager and Chief Financial Officer. He was appointed LCA's first CEO in 2013 following completion of the landmark water and sewer system lease agreement with the City of Allentown.

"Over the course of his career, Aurel has provided the consistent and innovative leadership required to ensure LCA is prepared to meet the growing needs for water and sewer services in our region," said LCA Board Chairman Brian Nagle. "As our region has undergone tremendous growth and transformation over the past 40 years, LCA has been required to respond and plan for the services that would be needed by our community. Aurel's leadership has been crucial in ensuring that existing and future customers receive the affordable, high-quality, reliable services they expect from a professionally run utility."

Adam joined LCA in 1998 and during her tenure has held positions of Public Relations Coordinator, Customer Care and Communications Manager, and Chief Administrative Officer. In her current position, she oversees several critical functions including human resources, customer service, communications and information technology.

"Since beginning her work for this organization 17 years ago, Liesel has consistently focused her efforts on driving LCA to higher levels of performance and service to the community," Arndt said. "Her collaborative style and strong leadership skills will provide for a smooth transition into LCA's future."

Over the next few months leading to Arndt's retirement, several key transitions will be initiated. To start, LCA is seeking to fill the roles of Chief Financial Officer and Chief Operating Officer, which are currently vacant. Other key transition activities will include outreach to community leaders to introduce Adam to key service relationships, and extensive employee outreach that is already underway.

"As we move forward into the future," Adam said, "LCA will remain focused on our mission of providing exceptional value to our customer through our high-quality, affordable and reliable water and wastewater services. Our employees are LCA's foundation in achieving this mission, and I am looking forward to continuing the great work we are doing together. As the future unfolds, we will work together to find new and better ways to serve our community's needs."

Entech Engineering Now Open in State College

Entech Engineering, Inc. (Entech) has announced the opening of a State College satellite office. The new State College office represents Entech's sixth office location within Pennsylvania. The office is conveniently located at 1524 W. College Avenue, Suite 206, State College, PA 16801, across from Penn State's Blue & White golf courses, and only minutes from downtown State College.

Entech's Vice President, Robert Weir, PE, said about the new office: "State College was strategically selected for an office location, so we could better service some nearby long-standing municipal clients, as well as continue to grow our clientele in the region, by helping clients make more informed decisions as they invest in their buildings and infrastructure. Technology has greatly improved our ability to meet and interact with clients online, but there is still no true substitute for face-to-face meetings; having staff nearby will increase the efficiency and frequency of these meetings."

Michael Daschbach, PE, will serve as the office manager for the State College office. Michael is a former principal at Entech and recently returned after moving to State College.

Ten States Delivered More Than Half of Buildings Via Design-Build Last Year

The use of design-build for non-residential buildings is holding steady around 40 percent, with the military, commercial, medical and industrial sectors showing the highest use.

The Design-Build Institute of America (DBIA) - the only organization that defines, teaches and promotes best practices in design-build - today detailed the results of an updated study on how and where design-build is being utilized in the United States. RSMMeans Analytics, a part of The Gordian Group, utilizing project data and specification database partner Construction Market Data, conducted a study to analyze the growing use of design-build and update ongoing research with the latest data findings. The newly released study indicates growth in the use of design-build in several states and the continued leadership of the Pacific region among states with the most dollars being spent on non-residential design-build projects.

"Design-build's growth in certain states is not surprising," said Lisa Washington, CAE, CEO/Executive Director of DBIA. "Most of the ten states that used design-build to deliver over half of their non-residential building projects are states where we've worked hard to train owners and practitioners in DBIA Best Practices, and/or states where we've been able to work with regions and legislators to pass legislation favorable to Design-Build Done Right®."

The RSMMeans research showed the overall market share of design-build remained steady at about 40 percent. Over the past decade, use of design-build nationwide has grown by ten percentage points, while use of design-bid-build has fallen by the same.

The military continues to use design-build on nearly 80 percent of building projects, so it only makes sense that states with a high number of military buildings fall in the top ten. The commercial sector uses design-build for more than 50 percent of buildings, and the medical and industrial sectors also continued to see above average usage of design-build, which coincides with the kind of demand DBIA is seeing from owners for training.

"Design-build is even more prevalent in the transportation and water/wastewater sectors than the building sector," says Tim Duggan, Director of Customer Solutions, RS Means/The Gordian Group, one of North America's largest construction cost information providers to the construction industry. "Unfortunately, our project database with those kinds of projects is far less likely to include the information to support project delivery method used, which is why this report focuses only on building projects."

RSMMeans' and its partner CMD's proprietary database of historical and planning construction projects data served as the basis for the study in addition to the incorporation of other publicly and privately available data sources. They analyzed detailed project and specification data on over 640,000 non-residential construction projects.

Eleanor Allen Joins Water For People as CEO

Water For People has a new Chief Executive Officer and her name is Eleanor Allen. Ms. Allen has spent more than 20 years in the water and sanitation sector and her experiences with the Peace Corps, CH2M, and most recently, ARCADIS, have allowed her the opportunity to live and work in Latin America, and around the world, for over half of her career. She has been fortunate to be able to work with communities, businesses, governments, and nonprofits to create a deep and lasting impact and hopes to apply those lessons at Water For People.

Allen states, "I'm eager to dive in and help lead the organization toward achieving its goal of providing access to safe water for Everyone Forever and I'm inspired by the work Water For People has accomplished so far as it nears its 25th anniversary — and that's in large part thanks to dedicated partners and a generous and passionate community of donors and supporters like you. I will work hard to preserve the fundamental components of Water For People that you know and love – its mission and commitment to transparency, sustainability, and innovation; and I welcome your feedback. We can't do it without you, so thank you for being a part of our community."




The Design-Build Institute of America Creates Alliance with the Water Design-Build Council


The Design-Build Institute of America (DBIA) - the only organization that defines, teaches and promotes best practices in all sectors of design-build - and the Water Design-Build Council (WDBC) - the only organization dedicated to research and education initiatives exclusively for the water sector of the design-build industry - recently announced a strategic alliance. Through closely aligned and collaborative efforts, DBIA and WDBC will provide timely and relevant resources to meet the needs of water industry owners and practitioners.

While remaining separate organizations, DBIA and WDBC will jointly develop and disseminate an effective education program for water-sector-based research confirming the benefits of collaborative delivery processes and guided by the ongoing identification and refinement of industry best practices. Most importantly, the alliance between DBIA and WDBC will manage a comprehensive program of owner outreach and education, making information easily accessible and available to all levels of owners and practitioners throughout North America.

"Haskell is a member of DBIA and WDBC because they both bring something unique to the design-build world," said DBIA's Board Chairman Peter Kinsley, DBIA. Kinsley leads the Government & Public Services Group at Haskell. "Just like in design-build projects, collaboration is essential to success, so it only makes sense that we should combine WDBC's expertise in water-specific research and education with DBIA's broad reach and expertise in design-build best practices."

"WDBC is excited to partner with DBIA to create the most thorough and comprehensive education materials the water design-build sector has ever seen," said David Kinchen, President of WDBC, who leads part of Black & Veatch's design-build business for the water industry. "Black & Veatch is a member of both organizations because we see tremendous benefits by being active in both. Combining the strengths of each organization will leverage both DBIA's and WDBC's achievements to date and advance the shared commitment we both have to develop, promote and implement best practices specifically tailored for collaborative delivery in the water industry."





WE ARE BACK!
DBIA Tri-State Chapter Inaugural Event
 DBIA CEU & AIA CES Approved

The Library at
The Union League
 140 S. Broad St. Philadelphia

Pre-Registration: \$45
 At the Door \$55 (check or cash)
 Registration Opens at 7:45 a.m.
 Business Attire

More Information &
 Sponsorships Opportunities
 Tom Neider 215 518.8274
 Diane Scott Adams 856 468.7573

SAVE THE DATE:
PUBLIC USE OF DESIGN BUILD
 January 12, 2016 | 5:00 pm


BRIDGING DOCUMENTS
 Late February 2016


OCTOBER 6 2015
WHICH DESIGN-BUILD CONTRACT IS RIGHT FOR YOU & YOUR PROJECTS?
DBIA - AIA - CONSENSUS DOCS - EJCDC?


Join construction partners Edward Seglias of Cohen Seglias and Kevin Peartree of Ernstom & Dreste as they discuss and compare form contracts commonly used in Design-Build Projects including AIA, Consensus Docs and EJCDC Design-Build Forms. Their discussion will highlight the benefits and risks associated with the standard forms for owners, contractors and designers alike. Talking points include:
How do the different forms address: Early Phases of a Design-Build Project, Setting the Price, Standards of Care, Performance Guarantees, Site Information, Responsibilities of the Owner, Contractor, and Designer, and Ownership of Documents.
What the design-build subcontractor should look for: Performance Based Contract, Scope of Work, Incorporation by Reference, and Flow-Down Clauses.
What you need in a Design-Build Teaming Agreement: Structure of the Team, Risk/Reward Sharing, Design-Builder and A/E Services, and Risk Allocation.


REGISTER TODAY: <http://www.dbialiberty.org>


This Event Made Possible by the Design Build Institute of America's Tri-State Chapter Sponsors


 FEDERAL PROPOSAL SUPPORT WITH EXPERTISE IN U.S. & INTERNATIONAL


 "Committed to Excellence"




 PALLAS GREENHALL & FURMAN PC



Upcoming Water For People Event

November 5, 2015— 11th Annual Water For People Gala. William Penn Inn, Route 202 & Sumneytown Pike, Gwynedd, PA. For more information, please contact Sandy McIntyre at sales@gracemediaservicesinc.com

Sponsorships are available for this event!



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

Address Correction Requested



**PUBLISHED IN THE
INTERESTS OF
STONE HILL CONTRACTING
CO., INC.**

*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*

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 2015**