



The Clarifier

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Stone Hill Celebrates 35th Anniversary at the Iron Pigs



On Friday evening, August 12th, Stone Hill Contracting celebrated their 35 years in the heavy construction industry, by joining together at Coca Cola Park, in Allentown, PA, home of the Triple A, Lehigh Valley Iron Pigs. Proud of their 35 years of success in the industry, Stone Hill invited employees to spend the evening together in the Pig Pen in left field at Coca Cola Park, to watch the Iron Pigs lose to the Indianapolis Indians by a score of 0-6. While the Iron Pigs action was limited, it was an enjoyable evening as close to 60 people joined together to celebrate the momentous occasion. The weather was threatening and hot, but none the less, it was a good time of celebration and reminiscing.

As Stone Hill looks to the future, they are optimistic about what that future may hold. It is through the relationships that have been built in the past 35 years with vendors, owners and design professionals, as well as their own staff, that Stone Hill Contracting has been able to become the company it is today.

11th Annual Water For People Gala

On Thursday evening, November 10th, Stone Hill Contracting will be hosting the 11th Annual PA AWWA Water For People Gala at the William Penn Inn in Gwynedd, PA. This 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, please consider donating an item to the silent auction or becoming a sponsor.



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Special points of interest:

- Stone Hill Celebrates 35th Anniversary
- Water For People Gala

Stone Hill Apparent Low Bidder on Two Projects in One Day

Tuesday, August 9th was a special day for Stone Hill Contracting. At 10:00 AM, Stone Hill bid on a maintenance project for Hatfield Township Municipal Authority. The project is for on-call maintenance services on the authority sewage line network. Stone Hill's \$160,364.00 bid was the low and only bid received at the bid opening.

Four hours later, Stone Hill bid on a project for the Passaic Valley Water Commission. Their bid for the Water Storage Improvements Phase I Standby Emergency Generators Project was low of seven (7) bidders at \$28,500,000.00.

While nothing has been finalized as to award of either of these projects, the management of Stone Hill Contracting is optimistic that both projects will be awarded, and Stone Hill looks forward to working with these owners and their design professionals. Please review the December issue of the Clarifier for an update on how each of these projects is progressing.

Fairless Hills Enclosed Flare Project

Waste Management accepted a proposal from Stone Hill Contracting to install a new flare foundation and then set the new flare along with miscellaneous mechanical pieces at the new Fairless Hills landfill. At press time, Stone Hill has excavated, formed, placed and backfilled the concrete foundation and are waiting for the flare delivery around August 15th. There is additional work required to finish the various components to make the system handle the expected gas and leachate, which will come from the new landfill. Due to the landfill presently not collecting rubbish, and having to wait for the natural decomposing of that material, the remaining work required is now on hold, so stay tuned for further updates on our future work at The Waste Management Fairless Hills project.



GROWS LFG Flare Project Reaches Completion

Stone Hill and Tangibl LLC put all their construction abilities into play to meet the fast paced schedule of the New Flare for Grows North Landfill. The project included various elevated 16 and 10 inch hdpe pipe, and elevated 20 x 24 inch pipe with an actuated valve tie in under vacuum conditions. A new propane gas system was installed to ignite the methane gases in the new flare. Tangibl installed the power and control wiring along with instrumentation and terminations required to allow the operation and interactions with the other flares around the various landfills. One of the difficult operations was getting the 50 ft long by 14 ft diameter flare into the flare site. The unit arrived on a low boy running at 3" off the ground and having a tractor trailer length of around 100 ft. The operation was completed by utilizing Sautter Crane of Philadelphia and T & M Machinery of Morrisville. The flare was mobilized off site and then lifted onto a 44 ft drop deck. This allowed Stone Hill to make the various u-turns and access into the dropped elevations of the site, without restricting the flow of landfill deliveries. Once erected and final connections were completed, John Zink and Waste Management Gas initiated the flare startup. The flare ran 24/7 for 7 days to allow Exelon Gas to make the repairs needed on their plant boilers, which use the landfill methane to fire their boilers used in producing electrical power.



Thanks to all in helping to meet the required deadline. SCS Engineers, JFI Ready Mix, Resteel Supply, Lee Supply, Sautter Crane, Fastenal, National Pipe & Hanger, Amp Rubber, John Zink and the Waste Management Gas Operations crew.

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Bayshore Niro Incinerator Project Nears Completion

Work continues on the Incinerator project at the Bayshore Regional Sewerage Authority. Stone Hill is working to complete the mechanical installations for the instrumentation package and finish up the structural support for the tertiary heat exchanger.

By press time, Stone Hill anticipates being finished with the flood panel installations, hand rail installations, and punch list items. The electrical requirements for the incinerator system are complete. The electrical focus is now on finishing up lighting, receptacles, and the punch list.



cles, and the punch list.

TIII Enterprises has completed the facelift for the plant process piping and walls. Industrial Furnace Company (IFCO) handled the start-up of the incinerator system in mid-August and are training the plant personnel as well as fine tuning the incinerator for optimal performance.

As this project draws to a close, Stone Hill would like to thank the BRSA, engineering staff and its' vendors and subcontractors for making this another successful project.

Warren Township WWTP

Stone Hill has completed installation and start-up of the first two (of three) channels of the Trojan UV disinfection system. Stone Hill is currently working on the removal of the UV equipment in the third channel as well as the existing control panel and associated electric. During the UV disinfection system installation, two channels had to remain in service at all times. Once the final channel of the old system is removed, they will install the last of the new Trojan UV disinfection system and install the second half of the new fiberglass UV building that was supplied by Shelter Works.



Stone Hill has also completed work on the first of two process tanks. This work consisted of replacing two rotors with covers and baffles in the oxidation ditch, and installing all new equipment in the clarifier which consisted of a new drive, column and rake arms, stainless Steel trough, FRP weirs and baffles, a new brush system to clean the weirs and a scum collecting system. In addition, a walk bridge was added to access the scum pit, new bridge railing and grating was installed, sandblasting and painting of the existing bridges and new electrical conduit, wiring and bridge lighting. All clarifier and oxidation ditch equipment was supplied by Envirodyne Systems. The new bridge extension, grating and handrail were supplied by Pleasant Mount Welding, Inc. Stone Hill is currently working with their electrical subcontractor, MBE Mark III Electric and PS&S Engineers on an electrical issue, but should have it resolved shortly and anticipate Process Tank No. 2 will be up and running by the time this newsletter hits the press.

OCUA Area-Wide Clarifier Rehabilitation

The end of the time allotted for fabrication of the equipment is quickly coming to a close as the vast majority of items with a long lead time have already been released. Envirodyne Systems Inc. is nearing the completion of the clarifier equipment and delivery is scheduled in the next few weeks. Test pits have been completed and a plan is in place for the underground piping installations. Over the next few weeks, mobilization at the SWPCF will take place as Stone Hill plans to get a jump on the coating removal prior to the application of the Sauereisen concrete repair and coating materials. Even though Stone Hill started working on this project several months ago, due to the long lead time on the major equipment fabrication, it almost feels like a new project is getting ready to kick off and they are excited to begin the work in the field and watching the progress on this project!



Northeast Philadelphia WPCP

Stone Hill has been busy at NEWPCP since the last issue of the Clarifier. Plant water pump #3 was successfully installed and tested including the variable frequency drive (VFD) used to monitor and control the speed of the pump motor. Upon completing the installation of pump #3, work was temporarily stopped until the pump successfully passed the seven day run test. Once the test was over, Jack Pears, the demolition sub-contractor, was back on site to remove the last of the existing plant water pump and piping. Upon completion, work began in earnest on installing plant water pump #4 and #5.

Nucero, the electrical sub-contractor, completed the last of the large diameter aluminum conduit connecting the VFD's to plant water pump #4 & #5. Nucero was also able to run conduit for the various control/monitoring wiring for the slide gates, knife gate valves and flow meter. This allowed Tri-Jay, the system control specialist, to start the process of integrating the new computer control systems with the existing system.

In July, the installation of the roof top air conditioning unit for the VFD room by Accord Mechanical Inc. was completed. The balance of the month was filled with finalizing the last of the plant water pipe, concrete pipe saddles, pump pads and testing plant water pump #4 and #5.

At press time, Stone Hill is preparing for the installation and testing of the gravity thickener dilution water pumps, final system control integration and completing the video security system.



Bayshore R.S.A. Temporary Blower Project

Stone Hill completed the piping and blower installations just as summer started. Travis Electric handled the power supply requirements to provide a smooth start-up of the new blower. The installation of this new blower will allow Stone Hill to begin work on the newest BRSA project, the Combined Blower Building project which will utilize this temporary blower to supply the required air to the plants various aeration systems.



City of Wilmington—Honeywell

In the previous Clarifier article, it was noted that Stone Hill was asked to provide Honeywell with a 14' deep pump station and 500' of underground HDPE piping to take on the large quantities of discharge from their cogeneration plant. This work was completed in just a short month and put Honeywell back in business. This work was all self performed with Stone Hill and Marino Electric and materials supplied by Atlantic Concrete and LB Water to name a few. After the pump station project was complete, Stone Hill was asked to take on additional work including running a new portion of ductile pipe underground for heating lines due to a leak under the building. After that, sludge piping modifications were welded in place to replace existing valves that were underrated for working pipe pressures on the sludge lines. Work on smaller maintenance type projects have been underway to assist Honeywell in keeping their plant active.

North Jersey District Water Supply Commission Lagoon Decant Tower Project

Stone Hill Contracting, working closely with their design partners, Kleinfelder and H2M, as well as the owner, North Jersey District Water Supply Commission, continues to progress towards finding a solution to the decant tower water quality at the water treatment facility in Wanaque, NJ. This design build project, started with lab testing and analysis, followed by bench scale testing on site for various treatment methods to enable the micro-organisms to not only survive but actually reproduce. The next step, which will hopefully take part this fall is to pilot test actual equipment in a larger test condition directly at the lagoon. A number of potential scenarios are still on the table, however each one is being closely evaluated to assure the best possible solution. While the testing phase is taking longer than originally planned, the amount of information being processed is leading toward the best solution for the owner in the long run. The cooperation by all stakeholders in this project has been commendable as the entire team, including owner, design professionals and the NJ DEP, have worked together for the common good of the project.

It is anticipated that construction will commence in late spring, or summer 2017, unless additional testing is required.

Wanaque South Pump Station

Stone Hill Contracting along with R. Spark Electric and Scott Testing have begun demolition work on the existing equipment at the Wanaque South Pump Station. Stone Hill will eventually remove six 2000 HP / 29,000 gpm pumps and replace in-kind six pumps with modern updates. New reduced voltage starters and VFD's along with associated electrical components and instrumentation will be replaced. It will be a challenging project to all due to the enormity of the existing equipment and the limited space to remove it. For instance, the pumps are weighing in at 30,700 lbs and measure in length at roughly 33 feet. Not really a big deal, except interior clearances allow a lift of only 22.5 ft. (always nice to install something when the roof is off). The removal of the drive motors, although weighing 29,400 lbs were easily removed due to their overall height being roughly 14 ft long. Electrical gear requires various cribbing and blocking methods to get over the depressed pump floor of 4 ft. All construction work will be completed in stages due to various pumps needing to stay in operation to allow transfer of water from the Passaic River to the Wanaque Reservoir. The project is a design build project for the New Jersey District Water supply Commission.



Bayshore R.S.A. Combined Blower Building Project

Stone Hill Contracting has received the notice to proceed for the combined blower building project at the Bayshore Regional Sewerage Authority. The main focus of the project is the demolition of the mechanical items in blower building 1, which was constructed by Stone Hill almost 30 years ago, and modifying blower building 2 to accommodate four blowers to feed the plant with all of its' process air requirements. The aeration systems in the process tanks will also be replaced.

Also included in the scope, will be flood protection around the two blower buildings. Blower building 2 will receive concrete flood walls and flood panels while blower building 1 will receive a temporary musclemann flood protection wall. Stone Hill is looking to begin this project by press time in order to get the concrete work well underway before the colder weather arrives.



Industry News

Construction Risk Partners Celebrate Tenth Anniversary

Since 2006, Construction Risk Partners, which began with five partners, has expanded to over seventy employees with four locations in New Jersey, New York City, Philadelphia (King of Prussia) and most recently in Long Island. In addition to meeting all of the needs of their clients outside of construction, they have established another company, CRISP Insurance Advisors, which was formed to handle personal lines, non-construction commercial lines and life/health benefits programs.

Construction Risk Partners has been an active and influential partner in the construction industry for the past ten years, yet the history is much longer. This same group originally began as Marquis & Associates. The founding partners, Al Marquis, Pete Forenza, Rob Pitts, Jay Sciortino and Bill Linney, are still very active in the business. Over the past several years, they have brought in new partners to perpetuate the outstanding service delivery platform of the company - Joe Charczenko, Rob Rapp, Fred Nicholson, Joe Kent, Frank Mason, and Bill Harrison. Mary Bishop, Rich Nocella and Gary Rispoli are Associate Partners. Along with a dedicated staff, all are charged with the continuous purpose of keeping Construction Risk Partners as a firm that is committed and focused on construction risk solutions.

As the company has expanded so has the product delivery. In addition to the traditional construction insurance/surety products, Construction Risk Partners has expanded its offerings to Contractor/Owner Controlled insurance (CCIP/OCIP) and Subcontractor Default Insurance (SDI). They also have a team of highly technical and sophisticated professionals, in Ray Master and Chris Merrifield, providing Loss Prevention Services and Risk Control. All of which round out the products and services necessary for today's demanding construction environment.

Most recently, Construction Risk Partners has enhanced their branding with a new logo and promotional material. Bill Linney states, "Change is good and it's consistent with our company's culture. It is important to keep things fresh as our environment changes. However, the change in CRP's appearance will never change our laser focus on service delivery, and keeping ahead of the complex issues in our business".

We congratulate Construction Risk Partners on their ten-year anniversary. We wish them continued success!



2016: A Landmark Year for Design-Build Legislation

It is in no way an overstatement to claim that 2016 has been a landmark year for design-build and DBIA. Across geographic regions, and regardless of state political affiliation, 2016 was a year when legislators recognized the need for time and cost saving project delivery methods, which also didn't skimp on quality. They affirmed design-build as an appropriate solution. The legislation that has passed will help reshape the way projects are delivered across the country, and it is important to highlight our victories to point out where implementation through proper education needs to occur. The state of design-build is no doubt in a better place than it was in 2015, however, our assessment is not yet fully complete as some states continue the fight for design-build throughout the summer and fall.



Missouri: The biggest victory for DBIA this session among the many was undoubtedly the passage of local design-build authorization in Missouri, making Missouri the 25th state to have full design-build authorization (that's half the states!). HB 2376 enables any local political subdivision to use design-build project delivery at their discretion. The bill also ensures that community development block grants are properly allocated to water and wastewater projects that are delivered using design-build. Our regional leadership was exemplary on this bill, by building a coalition and rebutting the opposition on all fronts. The effort spanned three years and two different legislative sessions, but in the end resulted in a crucial expansion of design-build authority in the Midwest. The Governor has still not signed the legislation, but is expected to in a short time.

New York: Once again, design-build authorization made it into the New York budget bill and the result will help ensure Governor Andrew Cuomo's huge infrastructure package is done via design-build. The budget included a provision this year that expanded design-build authority to include the New York State Urban Development Corporation and the New York Convention Center Development Corporation. In the Governor's original budget announcement during the state of the state address, he outlined a significant portfolio of design-build and Public-Private Partnership projects including Penn Station and the Farley Post Office Redevelopments. This authorization gives permission to the necessary entities to deliver these projects through design-build making good on a promise that will save the New York taxpayers significant time and money in delivering these projects.

Transportation Sector: The transportation design-build market is growing rapidly, and legislation followed suit this year. Alabama and Nebraska both passed comprehensive design-build authorization for their respective transportation agencies. The Nebraska bill also created a transportation infrastructure bank and was championed by Governor Pete Ricketts who made this bill one of his highest priorities for the session. As a state with little to no additional design-build authority, Alabama advanced tremendously by granting full authority to the state's Department of Transportation (DOT), who is now able to utilize design-build on almost any transportation project. In addition, New Mexico also authorized design-build as an option for all Federal-Aid Highway projects in the state.

Public-Private Partnerships (P3): The authorization of P3s expanded significantly this session with major legislation passing in Kentucky, Tennessee, Louisiana and New Hampshire. All four states authorized P3s for the transportation sector; however, some were more specialized than others. Tennessee, for example, amended their original proposal down to include only mass transit projects. Louisiana, on the other hand, sought to more evenly distribute the use of P3s by the DOT by requiring 25 percent of P3s to be outside of a Metropolitan Planning Area. The legislation in New Hampshire and Louisiana have not yet been signed by their respective governors, however Tennessee and Kentucky signed their reforms into law relatively early in the session. This fight will continue into weeks to come as Massachusetts and California both still have key P3 legislation pending.

Design-Build Done Right™: Virginia and Florida also passed key design-build reforms that will help to better refine their already robust design-build authorizations. Virginia passed legislation by unanimous approval to authorize ATCs for transportation projects. This reform was welcomed by the Virginia Department of Transportation (VDOT) who partnered with DBIA and Virginia Transportation Construction Alliance (VTCA) to see the legislation through. Florida also passed two key reforms through HB 7027 which created a financing bureau within the Florida Department of Transportation, and SB 124 which ensured that unsolicited P3 proposals are not made public record until they are accepted. Both bills were celebrated by our members in the region as key reforms to the procurement of P3s in the state.

Extending Authorization: Key design-build authorizations were extended in Mississippi and maintained in Iowa. Mississippi was in danger of losing design-build authorization for the Port of Gulfport on July 1, 2016, however, legislation extending this until July 1, 2019, passed by near unanimous approval. In Iowa, design-build authority for the Board of Regents (BOR) was once again threatened by industry groups with the desire to remove authority entirely. Through carefully managed efforts, the authorization for the BOR was maintained for the second year in a row, as similar efforts were in play last session.

Although the session has drawn to a close in most states nationwide, many are only at the half-way point of the session. Pennsylvania, Illinois and California all actively meet throughout the summer and fall, and all have key legislation before them for consideration. California seeks to extend design-build for healthcare districts and P3s for water storage projects, while Illinois' SB 3020 would provide a boost to the transportation sector there. As these bills continue to move throughout the rest of the year, the successes that have already been enacted will keep us busy reaching out, educating and championing Design-Build Done Right in a new batch of design-build states.

Operation Christmas Child 2016

On November 11th, Stone Hill will once again be packing gift boxes for the organization Samaritan's Purse for their Operation Christmas Child Program. Now is the time to start thinking about and collecting items to fill gift boxes for needy children all over the world.



Here's a suggested list of items that are acceptable to include in your box: Toys (stuffed animals, kazoos, yo-yo's, jump rope, balls, toy cars); School Supplies (pens, pencils and sharpeners, crayons, notebooks, solar calculators, coloring books); Non-Liquid Hygiene Items (toothbrushes, toothpaste, bar soap, combs, washcloths); Accessories (sunglasses, socks, gloves, watches, jewelry, flashlights with batteries, hard candy, gum). Please do not include damaged/used items, war-related items, chocolate/ food, liquids/lotions, anything breakable.

Last year, Stone Hill employees, vendors and friends packed over 220 boxes. Let's see if that can be topped this year!

For information about Operation Christmas Child please visit: www.Samaritanspurse.org.

Pirates Fundraiser Raises Over \$3,000 for Water For People

On Thursday evening, July 21st, PA AWWA's Water For People committee held a very successful fundraiser at the Pittsburgh Pirates game.

Rachael Beam (GAI Consultants) and Rob Biase (Evoqua) hosted over 140 people for a tailgate party and game at PNC Park, as the Pittsburgh Pirates defeated the Milwaukee Brewers.

We do want to thank all who took part in this event, and especially our sponsors, Evoqua, PA AWWA, W.C. Weil Company, Calgon Carbon, Municipal Authority of Westmoreland County, Water Works Operators' Association of PA, PA American Water Utility Workers Local 537 and GAI Consultants. This is most certainly an event that you won't want to miss next year, where you get free food, drinks, a gift and a ticket to the ball game all for the price of regular admission!



Upcoming Water For People Events

September 23, 2016—Coach Bag Bingo. American Legion Post #210, Doylestown, PA. Doors open @ 6:00 pm. Games start @ 7:00 pm. Tickets \$25 in advance and \$30 at the door. Space is limited! Contact Nickole Uva to reserve your spot 215.340.1840.

November 10, 2016—11th Annual Water For People Gala Hosted by Stone Hill Contracting. William Penn Inn, Gwynedd, PA. 5:00-9:00 pm. Contact Sandy McIntyre for more information sales@gracemediaservicesinc.com

Sponsorships available for all events above!

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Celebrating 35 Years
1981-2016
Stone Hill Contracting



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

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

We're on the web at:

www.StoneHillContracting.com

Watch for the next issue
of the *Clarifier* coming in
December 2016