

**15 Years in the Making -
The New Gowanus Pump Station
Promises a Healthier Canal**

Summer 2016

Insights



**D&B ENGINEERS
AND
ARCHITECTS, P.C.**



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MESSAGE FROM THE PRESIDENT:

To our existing and future clients:

D&B is at a historic moment: a time of great opportunity, unbounded optimism, and infinite possibilities. Our employees share a passion to face challenges and find solutions for our clients.

Today, D&B is in a unique position. We are in the midst of another significant leap forward to expand our impact on the engineering profession. Our most recent plans include opening an office in the Miami area.

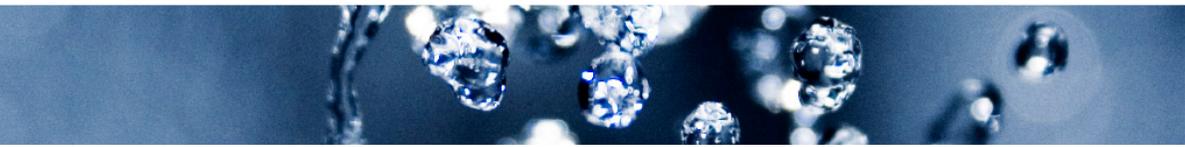
In this issue of Insights, you will read about one of our award winning projects, the Gowanus Canal Facilities Upgrade, that has improved New York City's infrastructure. It also will have the lasting effect of providing a sustainable improvement that will enrich Brooklyn residents' lives by reducing health risks and improving recreation opportunities in the Gowanus Canal.

Also included in this issue is a recount of a community service project in Tanzania, Africa, where a D&B employee, Tara Judge, provided much needed solar lanterns to an area too poor to have any electrical power. Other D&B employees assist the community in many more areas. We have been very fortunate and feel the obligation to give back.

From highly technical accomplishments to works of charity, D&B employees are there to assist clients and provide comfort to the needy.

I invite you to join D&B on our epic journey as we provide excellent engineering and scientific services and offer a positive impact to those less fortunate. If you need some technical advice or have a favorite charity or know someone in need where we could help, let us know. We believe we have the obligation to give back and to show appreciation for all the success that this country and our loyal clients have made possible for us.

Henry J. Chlupsa, P.E.
President



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GOWANUS FACILITIES UPGRADE PROJECT

15 years in the making, the Gowanus Canal Pumping Station Upgrade Promises Improved Water Quality and a Healthier Future



The Gowanus Canal

The Gowanus Canal was constructed by the City of New York in the early 1860s to enhance industrial commerce in western Brooklyn. This 100-foot wide, nearly 2-mile long canal had, for decades, served more or less as an open sewer for waste discharged from bordering industries, including manufactured gas plants, chemical plants, and oil refineries, as well as Combined Sewer Overflows (CSOs) from New York City's sewer system. While the illicit industrial discharges have all been brought under control, CSOs continued to be discharged to the Canal during precipitation events.

In the early 1900s, New York City embarked on a plan to improve the water quality in the Canal, which involved the design and construction of an approximately 1-mile long, 12-foot diameter, brick tunnel connecting the head end of the Canal to Buttermilk Channel on the East River. This structure is commonly referred to as the "Flushing Tunnel".

The tunnel and its associated pumping system was designed to "flush" contaminants from the Canal to Buttermilk Channel located between Governor's Island and the mainland of Brooklyn. In addition, during the late 1940s, the City constructed a wastewater pumping station at the head end of the Canal designed to divert up to 20 million gallons per day (mgd) of combined sewage to what is now the Red Hook Water Pollution Control Plant drainage basin, in lieu of being discharged directly to the Canal.

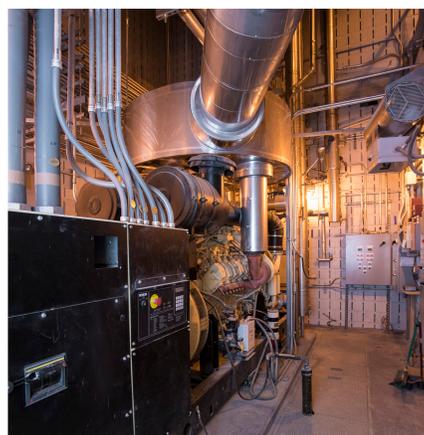
In the mid-1960s, the Flushing Tunnel suffered a mechanical failure, leaving only the wastewater pumping station in operation and allowing the water quality in the Canal to degrade once again.

In the mid 1990s, the City commissioned a project to rehabilitate the Flushing Tunnel pumping system and upgrade the wastewater pumping station. However, the water quality improvements were insufficient due to the fact that the Flushing Tunnel pumping system required periodic shutdowns for repairs, was not capable of operating during low tide, and the wastewater pumping station discharged to a combined sewer which would eventually overflow into the Canal during wet weather events.

Enter... D&B Engineers and Architects, P.C.

In 2000, the New York City Department of Environmental Protection (NYCDEP) initiated a capital program to completely upgrade the Gowanus facilities to ensure reliability and to maintain adequate water quality within the Canal. It was during this time frame that the NYCDEP selected D&B Engineers and Architects, P.C. as the lead engineering firm responsible for the planning, design and design services during construction in support of this historic environmental engineering project.

The Gowanus Facilities Upgrade Project was developed by the NYCDEP to completely upgrade and modernize



*Gowanus Pumping Station
Generator Room*





Interior of the Gowanus Pumping Station

[The project] is a significant milestone in the City's efforts to improve the health and cleanliness of the Gowanus Canal.

– Former NYCDEP Commissioner,
Emily Lloyd

the Flushing Tunnel pumping system, reconstruct and expand the capacity of the wastewater pumping station, construct a new force main from the wastewater pumping station to the Red Hook Water Pollution Control Plant, and install a new mechanical screening system to remove trash and floatable material from CSOs discharged to the head of the Canal.

The project was featured in the August/September 2014 issue of the American Society of Civil Engineers' *Civil Engineering Magazine* and was touted as representing an outstanding engineering achievement. In addition, according to the May 29, 2014 press release from former NYCDEP Commissioner Emily Lloyd, the project was characterized as "a significant milestone in the City's efforts to improve the health and cleanliness of the Gowanus Canal."

Project Design Overview

The upgrade of the Flushing Tunnel pumping system involved the replacement of the existing single, horizontal propeller pump with three vertical, submersible, axial flow pumps designed to increase the average daily flow rate by approximately 40% from 154 mgd to 215 mgd and increase the peak capacity at high tide by approximately 30% from 195 mgd to 252 mgd. In addition, the new system

was designed to allow for continuous operation regardless of tidal fluctuation, and the use of three pumps instead of one provides redundancy which allows the system to remain in operation even if one or two of the pumps is out of service for maintenance or repairs.

The expansion of the wastewater pumping station was designed to yield a 50% increase in capacity from 20 mgd to 30 mgd and a new mile-long, 33-inch diameter force main was designed to extend the discharge point to a combined sewage interceptor located outside of the Gowanus Canal drainage area, which does not overflow to the Canal during wet weather events. The intent of these design improvements was to decrease the frequency and intensity of CSOs to the Canal and reduce the annual volume of CSOs discharged to the Canal by more than 30%.

In addition, a new screening system was designed to prevent up to 250 cubic feet of trash and floatable debris annually from being discharged to the Canal. The screened trash and debris is conveyed through the wastewater pumping station where it is processed by sewage grinders and pumped to the City's Red Hook Water Pollution Control Plant.

Design Innovations

During the reconstruction of the Flushing Tunnel, it was necessary to shut-down the entire system for approximately 3½-years. The absence of the daily influx of oxygenated water from Buttermilk Channel into the head end of the Canal during this "shutdown" period posed the potential for a significant reduction in the dissolved oxygen concentration in the Canal that could lead to odor problems and an overall negative environmental impact on the Canal. To mitigate this, the D&B team designed an innovative Oxygen Transfer System (OTS) to maintain an adequate dissolved oxygen concentration in the Canal.

The OTS was designed by D&B to supersaturate 15 million gallons per day of water withdrawn from the Canal with 1½-tons of pure oxygen by means of a proprietary oxygen transfer system known as a Speece Cone. The pure oxygen used in the process was generated at the project site via a pressure swing absorption system and the shape of the Speece Cone was designed to provide a "bubble swarm" having an exceptionally large oxygen/water interface to facilitate dissolution of the oxygen into the water. The highly oxygenated water was then

evenly distributed along the upper end of the Canal via a series of discharge nozzles along a 2,500-linear foot submerged pipe. The process proved to effectively maintain a minimum of 3 mg/l of dissolved oxygen in the Canal until the upgraded Flushing Tunnel pumping system was constructed and ready for operation. The D&B OTS was awarded the 2010 Project of the Year by the New York Metropolitan Chapter of the American Public Works Association (APWA).

A second innovation incorporated into the Project was the use of the existing century-old flushing tunnel as a “carrier” for the new force main from the wastewater pumping station. The importance of this approach was two-fold:

1st, the force main from the existing wastewater pumping station had discharged into a local sewer that was designed to overflow into the Canal during wet weather events, thereby offsetting the positive effects on the Canal resulting from diverting CSO flows to the wastewater treatment plant. To alleviate this problem, the new force main was designed to extend the discharge point to a combined sewer interceptor located outside of the Canal’s drainage area, which would not discharge CSOs to the Canal.

2nd, because the selected location for the discharge point of the force main was approximately 1-mile west of the pumping station, installation of the force main via traditional methods would have resulted in significant disturbances to the busy residential streets along the force main route due to the extensive trenching required. In addition, that alternative would also have required difficult crossings of both the Smith Street Subway and the Brooklyn-Queens Expressway.

Project Complexity

Construction of the Flushing Tunnel pumping system required extensive demolition, excavation, and subgrade construction staged within the confines of the 3,500-square foot, 100-year old Flushing Tunnel Building, which is eligible to receive landmark status from the City.

Further complicating the construction process, the project site was severely impacted by the storm surge caused by Hurricane Sandy in October 2012, at which time the construction was approximately 50% complete. Up to 4-feet of water submerged the project site and completely filled both the Flushing Tunnel and the Flushing Tunnel pumping system excavation, halting construction for

several months. This storm event alerted the City to the importance of including provisions for resiliency and storm “hardening” as a new component of the overall assignment. Expedited design modifications by D&B were incorporated into the project to provide the necessary resiliency, consisting of a system of flood walls and flood doors, as well as equipment relocation. This resulted in the Gowanus Facilities becoming one of the first NYCDEP assets to be designed with permanent flood resiliency measures to protect against the new base flood elevation following Hurricane Sandy.

The Gowanus Facilities Upgrade Will Have Lasting Effects

Historically known as “Lavender Lake” because of its purple, oily sheen, the Gowanus Canal has been an urban blight for generations. Although previous efforts by New York City have yielded limited improvement to the condition of the Canal, the Gowanus Facilities Upgrade Project is the first major step by the City this century to affect an enduring positive change to the Canal and the surrounding communities. The Flushing Tunnel pumping system provides an average of 215 million gallons of clean, oxygenated water to the head of the Canal daily, representing a 40% increase from the previous system and effectively increasing the dissolved oxygen within the Canal well above the standards for recreation. This, combined with the 50% increase in capacity of the combined sewage pumping station and a 34% annual decrease in trash and floatable materials being introduced to the Canal through CSOs, has yielded a significant reduction in the emission of odors from the Canal. Overall, improvements have begun to provide a much more inviting destination for community members for recreational uses such as kayaking, canoeing, and wildlife viewing.

The economic impact of the project is beginning to take hold as well.



Innovative Oxygen Transfer System

Development along the Gowanus Canal has started to dramatically transform adjacent properties from mostly abandoned, dilapidated, industrial facilities to new commercial and residential facilities, including a new Whole Foods supermarket that was opened in 2013 and a new 12-story, 700-unit apartment rental complex that is currently near completion. Not only is the economic development anticipated locally in the form of revitalization of the waterfront, it is also anticipated City-wide in the form of an increase in jobs and tax revenues from these revitalized properties.

Many individuals throughout the D&B Project Team contributed to the successful outcome of this historic assignment. However, the following core group of D&B individuals are worth noting:

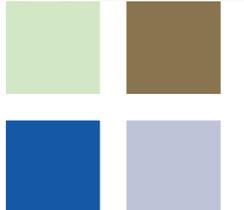
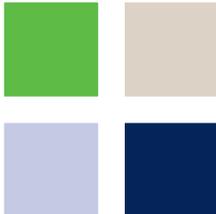
- Project Director and Senior Vice President - Dennis F. Koehler, P.E.*
- Project Manager and Vice President - Garrett M. Byrnes, P.E.*
- Mechanical Designer and Senior Associate - Joseph Baader*
- Electrical Design Engineer and Vice President - Michael Neuberger, P.E.*
- Oxygen Transfer System Designer and Associate - Roger W. Owens*
- Designer and Associate - Michele Mastrangelo*

Throughout the planning, design and construction phases of this project, many representatives of the NYCDEP were involved. Among these, we would like to thank Kevin Clarke, P.E. and Stanley Joseph, who represented NYCDEP as the project's Portfolio Manager and Accounting Manager, respectively.

Our congratulations to all on the project team involved in making the Gowanus Facilities Upgrade Project assignment a complete success and continuing the legacy of D&B as a premier wastewater design firm in the tri-state area! - ◆



Flushing Tunnel Building - Interior



Flushing Tunnel Building - Exterior

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For information on D&B's wastewater projects and services, visit our website at www.db-eng.com or contact Dennis F. Koehler at 516-364-9890 ext. 3010 (dkoehler@db-eng.com).

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WASTE CONVERSION TECHNOLOGIES ARE ON THE HORIZON

for Sludge and Solid Waste Management Agencies - But Some Technologies are Closer to Reality than Others

Solid waste and wastewater management agencies continue to seek new solutions to enable them to make productive use of solid waste and sludge and reduce dependence upon landfills. A group of waste processing systems, collectively referred to as “waste conversion technologies” (WCTs), hold promise for producing renewable energy and recyclable commodities with less environmental impact than traditional, combustion-based waste-to-energy systems. WCTs include gasification, pyrolysis, anaerobic digestion and ethanol production technologies. A substantial amount of public and private sector investment has been made in order to bring these systems into the marketplace. The Federal Department of Energy has provided support for several projects that aim to produce liquid fuels by gasifying organic wastes. Venture capitalists and corporations, seeing the potential benefits of these technologies, have invested in WCT development companies.

D&B is closely tracking the advances that WCTs are making for our clients. We have inspected several WCT installations and formally analyzed the performance of several systems. Ted Pytlar, Vice President for D&B’s Solid Waste Management and Recycling Division, has carried out several technical performance reviews as well as procurement projects of WCT systems on assignment from clients. Since



Rapid Thermal Processing (RTP) Pyrolysis Facility

Photo Courtesy of Ensyn Corporation

2005, Ted has also presented technical reviews of these technologies to major professional and trade associations, including the Solid Waste Association of North America, the National Waste and Recycling Association and the New York Federation of Solid Waste Associations. In 2015, D&B was retained by the Chittenden Solid Waste District, which serves the Burlington, Vermont region, to present a status report on WCTs. The District is seeking guidance on the

potential for WCTs to meet their solid waste management needs in the future.

Anaerobic digestion (AD) is a WCT that has been in use by wastewater treatment facilities for decades. Improvements to AD designs enables the technology to produce both biogas, containing methane, and compost from organic wastes, such as sewage sludge, food scraps, yard waste, paper and food processing wastes. Recently, anaerobic digestion technology has been applied

to process the organic portions of municipal solid waste. The biogas has been utilized to produce electricity and compressed natural gas as well as for injection into natural gas pipelines. These projects can take advantage of renewable energy production incentives by selling environmental attributes in order to improve their cost-effectiveness. AD projects can be implemented now by wastewater and solid waste management agencies to generate renewable energy and compost from their organic wastes.

In addition to the technology improvements, New York State is revising its regulation of renewable energy production, distribution and sales. The Public Service Commission has undertaken the "Renewing the Energy Vision" (REV) proceedings, which are aimed at enhancing the state's use of renewables and the resiliency of the electricity grid. D&B is a founding member of the New York State Biogas Study Group, which aims to ensure that the revised regulatory system treats biogas projects on an equal footing with other renewables, such as wind and solar. - ◆

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For information on D&B's WCT experience visit our website at www.db-eng.com or contact Ted Pytlar at 516-364-9890 ext. 3994 (tpytlar@db-eng.com) or Steve Fangmann at 516-364-9890 ext. 3305 (sfangmann@db-eng.com).

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D&B Community Service Goes Global

D&B Employees focus on community service efforts in Africa

As part of D&B's Spring 2015 edition of Insights, we focused in part on the various contributions that individual D&B staff members make to their respective communities, schools, churches, and social support organizations. Our goal at that time was to illustrate to our readers more about "who we are" as a firm as opposed to "what we do." In this issue, while we are focusing a bit more on "what we do," we thought it important to highlight two individuals of the firm, Ms. Tara Judge and Ms. Ofonime Inokon, and their community service efforts that have a decidedly more global perspective. Interestingly, while each of these individual's focus and energy coincidentally targeted the continent of Africa, each project was totally independent of the other.

(Continued on next page).

Let's begin with Tara Judge's story.

A geologist by training, Tara was recently hired by D&B to provide technical environmental review support to a Governor's Office of Storm Recovery (GOSR) assignment. As part of that contract, D&B completed over 6,000 National Environmental Policy Act/ State Environmental Quality Review Act assessments, as well as over 650 ASTM Phase I Environmental Site Assessments in support of federal recovery and rebuilding grants for victims of Superstorm Sandy, Hurricane Irene and Tropical Storm Lee.

Tara's community service project, however, has nothing to do with Superstorm Sandy or New York State. Her story takes place 8,000 miles away in Tanzania, Africa. Referred to as the "Solar Empowerment Project - Moshi, Tanzania," Tara and her college colleague, Luci, established a partnership between Friends of Tanzania (FOT), a 501(c)3 organization based in Arlington, VA, and the Komboa Vulnerable Groups Association, a non-profit organization in Moshi, Tanzania. The overall goal of the project was to deliver over 500 MPOWERD Luci Solar

Powered Lanterns to families in Moshi, Tanzania, as well as local schools, and orphanages currently lacking any electric power. The solar powered lanterns were purchased using money raised by Tara and Luci through the support of friends, family, employers, and their respective local communities. Overall, nearly \$5,000 was raised in support of purchasing the lanterns. Reflecting on the overall financial and other support received, Tara reiterated on more than a few occasions that, "we have been so blessed to receive this outpouring of support and encouragement."

Komboa, a local Tanzania non-profit organization, provides education, counselling and self reliance skills to vulnerable children and youth. As Tara reported,

"These are children that would otherwise go without any education, food and support. The organization was started by a local Moshi man, Mandela, who like many of the 'Komboa children,' was orphaned as a small child and raised himself on the streets. He was taken in by

an orphanage where he received an education, and has since achieved his dream of continuing to help children in the same situation. It was truly inspiring to work hand-in-hand with such an individual. His passion and enthusiasm for supporting others was an inspiration to us all."

After long months of preparation, Tara and Luci finally arrived in Moshi to begin their 21 day sojourn and immediately arranged to start delivering lanterns to families and various institutions. Working hand-in-hand with Komboa, Tara spent several days with the Komboa children attending their preschool, singing and dancing, playing with Legos, and participating in endless soccer games.

"I have never met children so patient, joyous and eager to learn. Most of these students return to a home with no water and no electricity. Transitioning families away from dangerous and hazardous kerosene lanterns and candles to solar lanterns is not possible in many of the villages we visited due to the lack of infrastructure, funds and access to cleaner energy sources. It quickly became evident to us how huge of an impact these lanterns would make."

Each family of the Komboa students received two lanterns. The lanterns were delivered to each family personally, visiting their homes and communities.

"I remember each home visit vividly; it was a life changing experience I will never forget. The surprise and astonishment on the child's face when we walked through the door, yelling 'TEACHA! TEACHA!' to greet us. Families faces lit up at the thought of having alternative light sources."



Luci (back row, far left) and Tara (back row, third from left) with children from the orphanage



Family with solar lanterns

Every time I step onto the grounds at the orphanage at Chekereni and see your solar lights charging on the wood piles, I think of you and smile.
 – Komboa Member,
Greg

In addition to the numerous individual home visits, Tara also delivered lanterns to the Global Vision Children's Orphanage located an hour outside of Moshi-town. Apparently, the orphanage had opened only 10 months ago, already had nearly 50 children and still had no running water or electricity. The children sleep on hardly adequate foam mats and eat machele na maharage ...a local dish made of rice and beans once a day. Tara's team left 24 lanterns with "Bibi" Rebecca, which is the Swahili word for grandmother, used for most older women and caretakers. The lanterns were arranged on the wood piles, where they would stay each day to charge in the sun. "I have since been notified that all 24 lanterns are working perfectly." Greg and Mandela visit the orphanage weekly; Greg reported to me, "Every time I step onto the grounds at the orphanage at Chekereni and see your solar lights charging on the wood piles, I think of you and smile."

When asked, Tara summed up her visit to Tanzania and the overall experience:

"The word I use most is 'incredible.' This trip was incredible in every way: the children, the culture, the language, the centers we visited, the volunteers we met, the food we ate, and even the endless bottles of

Kilimanjaro water we drank. These experiences and memories I made in Moshi are ones that will thrive within me forever. I have gained a new perspective of what matters in my life, how to make positive change, and where my future will lead." - ◆

Stay tuned for Ms. Inokon's story, which will be featured in a future issue of Insights.

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For additional information regarding "The Solar Empowerment Project" or if you are interested in making a donation, please contact Tara Judge at (516) 364-9890, Ext. 3985 or tjudge@db-eng.com.

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Child holding a solar lantern

WHAT WE ARE UP TO

WATER SUPPLY: Water Main Replacements, New York American Water



D&B has been awarded a contract to provide design, permitting, certification and as-built engineering services related to the construction of water main replacements in Lynbrook and Merrick, Long Island. The Lynbrook Operations District project includes horizontal directional drilling to accomplish crossing of LIRR rights-of-way in both roadways. The Merrick Operations District requires drilling in Merrick Road and in miscellaneous neighboring roads.

WASTEWATER: Construction Management Services, Port Jervis Wastewater Treatment Plant, NYCDEP

The New York City Department of Environmental Protection (NYCDEP) has awarded D&B a contract for Construction Management Services for the Reconstruction of the Port Jervis Wastewater Treatment Plant. D&B will be responsible for reviewing the contract drawings from 60% development onward for completeness and constructability. Additionally, D&B will be responsible for overseeing the execution of the Construction Contracts in accordance with Departmental Policies and Procedures.

CIVIL: East Baldwin Road Raising Improvements, Town of Hempstead



D&B will assist the Town of Hempstead with basic services necessary for application preparation; preliminary and final design; permitting; permit updating; bidding; and construction administration in support of this project. Design will include but not be limited to raising streets, replacing concrete curbs and sidewalks, improving the storm water drainage system, installing check valves at outfalls, and reconstructing street-end bulkheads.



ARCHITECTURAL: Assessment of Fire Houses & City Hall, New Rochelle



The New Rochelle Department of Public Works has awarded D&B a contract to provide Professional Engineering Services related to conducting Building Conditions Assessments for the City of New Rochelle. This contract addresses two existing firehouses as well as portions of the New Rochelle City Hall building and will require that D&B investigate roof system integrity, electrical and mechanical systems, as well as the structural components of each building.

...a selection of D&B's current happenings.

CONSTRUCTION MANAGEMENT: *Large Infrastructure, NYCDDC*

D&B has been selected by New York City Department of Design and Construction (NYCDDC) to provide on-call Resident Engineering Inspection services for Large Infrastructure projects throughout the five boroughs.

D&B has provided services necessary and required for the inspection, management, coordination and administration of the Tillary Street project (Brooklyn). This project includes water main and sewer reconstruction; the relocation and reconstruction of widened, planted medians throughout the project area; widening of sidewalks and the installation

of curb extensions throughout the project area; and the installation of Class 1 bike paths. D&B has also been involved in the rehabilitation and repair of interceptor sewers and appurtenances in Queens at various locations using the latest lining technologies. The rehabilitation work of interceptor sewers involves the cured-in-place lining of large-sized brick and concrete sewers. Other projects include Resident Engineering Inspection services of citywide milling and resurfacing efforts.

D&B is proud to join the NYCDDC effort to 'help build a resilient, healthy city for all'.



CONSTRUCTION MANAGEMENT: *Sandy Recovery at Astoria Houses, Hammel Houses, Redfern Houses & Carleton Manor, NYCHA*

D&B is currently in its second year of providing Construction Management services for the New York City Housing Authority (NYCHA) for its Sandy Recovery to Resiliency Program. D&B is one of several construction managers and architects working to protect and strengthen the infrastructure of the Authority's housing developments hit hardest by Superstorm Sandy. This \$3B Program is funded by FEMA and is the most significant capital improvements program ever undertaken by NYCHA.



For more information on these projects as well as D&B's services, visit db-eng.com

Established: 1965
Number of Employees: 250
Locations: 7



WHAT WE ARE UP TO

D&B Supports Engineering Expo



The 12th Annual Lower Hudson Engineering Expo was held in March at White Plains High School. More than 100 engineering exhibitors participated. Fields of engineering were featured, including: Civil, Structural, Chemical, Electrical, Biomedical, Computer, Mechanical, Petrochemical, Environmental, Materials and Nuclear. Senior Vice President Robert J. DeGiorgio discussed D&B services and career opportunities with a group of future engineering consultants.

D&B Sponsors NYWEA Winter Meeting



The New York Water Environment Association (NYWEA) held its 88th Annual Winter Meeting in New York City. The mission of NYWEA is to promote sustainable clean water quality management through science, education and training. D&B has supported NYWEA initiatives and has been an active member of the organization for many years.

Pictured left to right: Maria Zena, Marketing Coordinator, Elizabeth Sam, Division Manager and Technical Writer.

D&B Vice President Presents at NYSAWWA Workshop



This past February, D&B Vice President Tom Fox, presented at a workshop sponsored by the New York State American Water Works Association (NYSAWWA). Tom spoke about groundwater contamination and remediation technologies. Applying various hydrogeological principles to sites where contamination occurred, Tom presented the steps used to define the extent of contamination followed by the various treatment technologies that can be used for cleanup.

Suffolk County, Long Island, New York Executive Steve Bellone Speaks at LIMBA Meeting Sponsored by D&B

On Friday, April 22, 2016, Suffolk County Executive Steve Bellone visited Long Island Metro Business Action (LIMBA) to speak about progress on the Ronkonkoma Hub, among other issues. Mr. Bellone's presentation addressed how various development initiatives he is supporting fit together into an overall areawide plan. Besides the Ronkonkoma Hub, Mr. Bellone spoke about Wyandanch Rising, the second track on the Farmingdale branch of the Long Island Rail Road, the third track on the Long Island Rail Road main branch, and the East Side Access Project.

Mr. Bellone also addressed the need for entertainment and cultural events that will keep a young population on Long Island. He pointed to successful ventures such as the Village of Patchogue and Brookhaven National Laboratories as examples.

Lastly, Mr. Bellone touched upon the need to keep vigilant on water quality.

D&B Engineers and Architects, P.C. proudly sponsored this meeting of LIMBA, which was hosted by Bill Miller and Ernie Fazio.

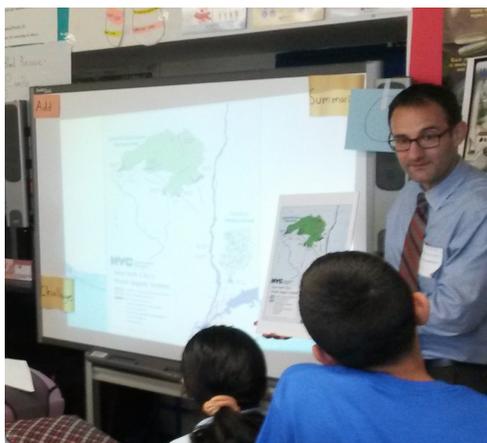


...a selection of D&B's current happenings. *(continued)*

NYS American Water Works - Water Industry Career Day

On May 18th, American Water Works New York Metro Events Committee members, including D&B's own Michael Savarese, spoke to 7th and 8th grade students at the Urban Institute of Mathematics (UIM) in the Bronx about careers in the water industry.

Following quick introductions, the committee members broke students into groups for interactive sessions about hydrant operation and maintenance, the New York City water supply system, and water meters. The students especially loved seeing a cut-away hydrant, learning about the city's aqueducts and water distribution system, and reading a water meter.



D&B Receives 2016 Earth Day Award

On Saturday, May 7, Westchester County acknowledged D&B Engineers & Architects, P.C. for being a loyal sponsor of the county's Earth Day Celebrations with a 2016 Earth Day Award. This award is presented each year for environmental achievements and community recycling programs.

Senior Vice President Robert J. DeGiorgio accepted the award, presented by County Executive Robert Astorino, at the ceremony.



D&B Presents at SUNY-ESF Career Day

Peter "PJ" Connell, an Engineer in D&B's Water Supply Division, is a graduate of SUNY-Environmental Science and Forestry (ESF) in Syracuse. Recently, PJ participated in SUNY-ESF's 15th Annual Environmental Career Day. The Career Fair hosted 85 employers at the SUNY-ESF campus with the goal of presenting information regarding their firms and recruiting SUNY-ESF students. PJ presented the practice areas supported by D&B.



Image courtesy of SUNY-ESF

D&B Supports Hofstra Senior Engineering Projects

In May, Hofstra University held its annual Senior Poster Showcase competition. Seniors in the School of Engineering prepare presentations on their senior projects in the fields of Biomedical Engineering, Electrical Engineering and several other engineering disciplines. D&B was represented by Rachel Fenwick (far left), who was one of a number of professional judges. Her role was to interview and evaluate a group of the senior contestants over several rounds of competition. - ◆





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*New York City Department of Environmental Protection
Gilboa Dam - Emergency Construction Management Services*

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Solid Waste Management

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