

INSIGHTS

Facing Challenges, Finding Solutions.

Spring 2015

CELEBRATING
50 YEARS ...
THE LEGACY
CONTINUES!

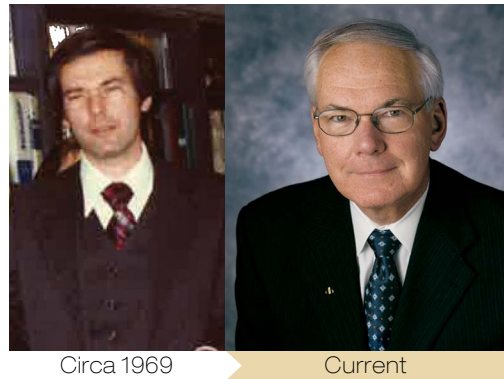


D&B ENGINEERS
AND
ARCHITECTS, P.C.

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Message from the President



To our existing and future clients:

It's been a fifty-year long journey, and there's never been a dull moment! D&B's journey has been filled with lots of excitement and challenges, and through it all we've endured, succeeded and have grown from just a handful of people to a family of over 200 employees. We are proud of the long lasting and rewarding client relationships we have developed over these 50 years and look forward to creating new relationships as we continue to grow in the future.

Throughout my 47 years at D&B, it's been quite the rollercoaster ride. I have had the great opportunity to see D&B and our clients prosper together, turning setbacks into achievements and, of course, challenges into solutions. These accomplishments simply would not have been possible without D&B's exceptionally talented and incredibly hard-working staff. Our clients wholeheartedly agree based on the feedback I've received over the years. I am truly proud of our staff and am deeply humbled to be leading this group of accomplished individuals. Moving forward, I am pleased to announce that some of these individuals are taking on new leadership roles at D&B to ensure that we can continue to serve you for many future years.

Thank you for your loyalty and trust over these 50 years, and I am excited to continue the ride with you in the future.

Henry J. Chlupsa, P.E.
President

Inside this Issue

As part of the continuing celebration of D&B's 50th Anniversary milestone, we decided to "freshen up" this edition of Insights to give it a cleaner, more contemporary design... we hope you like it! As part of his "Message from the President" column, Henry Chlupsa has just reflected on his 47 years of "Facing Challenges and Finding Solutions" at D&B. We asked Nick Bartilucci, one of the firm's earliest members and our past President, to also share his thoughts regarding the evolution of the company as we enter our 50th year. And so, the legacy continues....

We wanted to focus this edition more on "who we are" as opposed to "what we do" as a firm. To that end, the majority of this edition is dedicated to those D&B employees who, in addition to being active members of the D&B family, are also active members of their communities as well. Other highlights of this edition include D&B's plan to launch our new website, which will feature a new look and a new streamlined, user-friendly format, as well as sharing a few moments to reflect on D&B's 2014 Holiday Party.

D&B ENGINEERS AND ARCHITECTS, P.C.



D&B Engineers and Architects, P.C. Celebrates 50 Years ... the Legacy Continues!

D&B held its annual Holiday Celebration this past December at the Fox Hollow in Woodbury, New York. "The D&B Holiday Party has traditionally been our way of giving a little something back to our very dedicated and loyal employees," said D&B President Henry Chlupsa. "In prior years, the Holiday Party has focused on conveying a holiday-themed 'thank you' to all the staff who make D&B the great firm that it is." While traditionally our employees are center stage, this year we also celebrated two other very worthwhile events: kicking off D&B's 50th Anniversary year, and honoring the founder and first President of the firm, William F. Cosulich, and past President Nicholas J. Bartilucci.

Including all D&B employees, spouses and significant others, the D&B 2014 Holiday Party broke all previous attendance records ringing in at 250 people strong. A perfect size

crowd considering the trifecta of events being celebrated. With representatives of both the Cosulich and Bartilucci families on hand, Master of Ceremonies, Henry Chlupsa, also announced the creation of a \$50,000 scholarship fund at Manhattan College in honor of alumni Bill Cosulich (posthumously) and Nick Bartilucci. Testimonials were presented by long time D&Bers, Dennis Koehler, Joe Baader and Ken Pritchard. Entitled, "The D&B Engineers and Architects, P.C. Founders Scholarship in Honor of William F. Cosulich, P.E. '49 and Nicholas J. Bartilucci, P.E. '54," the "scholarship plaque" was accepted by Mrs. Anne Cosulich and her daughter Jeanne on behalf of her late husband Bill Cosulich, and by Mr. Paul Bartilucci on behalf of Nick Bartilucci, who could not attend due to a previously scheduled family commitment. ■

...the D&B 2014 Holiday Party broke all previous attendance records ringing in at **250 people** strong.



Bryan Rooney & Paul Bartilucci



Anne Cosulich & Daughter Jeanne DiProperzio



D&B's 2014 Holiday Celebration

D&B ENGINEERS AND ARCHITECTS, P.C. ... A CONTINUING COMMITMENT TO COMMUNITY SERVICE



We asked and they responded! Calendar year 2015 marks the 50th Anniversary of D&B Engineers and Architects, P.C. (D&B) ... an incredible accomplishment given the many businesses that have come and gone during our tenure. Our reputation as a quality organization and our long-standing relationships with many of our clients since our beginning is a direct result of the people who work here. Dedication, skill, overall work ethic and loyalty to the mission of D&B are all intangible qualities that make D&B great. It is the common thread that runs through all that we do and what we stand for. We typically refer to it as “the D&B way.” But if these are the qualities and philosophy of D&B, they are also the qualities and philosophy of the people that comprise D&B... and it doesn’t begin and end at work... it continues in the private lives of many of our employees.

As part of this 50th anniversary special edition of D&B Insights, we thought it appropriate to highlight the contributions that D&Bers make to their communities. While it is simply not possible to highlight the contributions of all our employees, we will do our very best to cover as many as we can. We should also keep in mind that many of the folks at D&B wish to be anonymous regarding their good deeds, so we are certain that there are a number of individuals whose community service contributions may go undiscovered on these pages.

CHRISTOPHER CLEMENT



An 18 year veteran with D&B and a Senior Associate in D&B’s Civil Engineering Division, Chris has an extensive portfolio of community service and volunteerism. In addition to being an experienced outdoorsman, wood carving hobbyist and conservationist, Chris dedicates a considerable amount of time to community service, including: organizing the annual D&B Blood Drive; committee member of New York Rising Community Reconstruction Program in Bellmore and Merrick; an Assistant Scout Master of Boy Scout Troop 123 based in North Merrick; Chief of Department - Merrick Fire Department, 2015; Assistant Chief in 2013 and 2014; Captain in 2004 and 2008; an Assistant Fire Inspector; NYS Emergency Medical Technician (EMT) since 1996; and a volunteer firefighter with the Merrick Fire Department since 1991.

CHRISTINA SUMPERL



Christina has been with the firm since 1978...over 37 years! Christina is responsible for co-managing the equipment supply room...sort of D&B’s answer to “Staples.” When she is not ordering the necessary supplies for the 200+ individuals in the firm, she donates her time and gently used articles for auctions and garage sales in support of Last Hope Animal Rescue. The revenue raised is used to pay for veterinary services and food for abused and stray animals.

DAVID ZAREMSKY



David is a relative newcomer to the D&B family and is taking a leadership role in maintaining and enhancing the firm’s overall health and safety program. A safety professional by training, David also contributes his time and energy as President-elect, President and Past-President of the Metro New York Chapter of the American Industrial Hygiene Association, and serves on the board of the Hudson River Valley Chapter of the American Society of Safety Engineers, first as a member-at-large, now a delegate, and in the next few years President-elect and President. Welcome to D&B, David!

DENNIS KOEHLER



Dennis Koehler is a 44 year veteran of D&B and a Senior Vice President of the firm’s Wastewater Division. Among his many valued clients is the Village of Greenport. The Village of Greenport supports a very active After School Program at the Mary H. Smith Recreation Center. The program is available to children between the ages of six and twelve years old. The purpose of the program is to offer a structured setting in a safe and nurturing environment. At the end of the year, the After School Program sponsors an Annual Holiday Party where each child is given a gift. Dennis discovered that the After School Program was having funding problems. Through Dennis’ intervention, D&B made a generous donation to the Greenport After School Program’s holiday gift fund. Dennis received a Letter of Appreciation from Catherine Matthews, Director of the After School Program, thanking him for D&B’s donation which allowed each child to enjoy the party and receive a holiday gift.

ELLEN DeORSAY



Ellen has been with D&B since 2001 supporting the firm’s Multimedia Compliance Division. When she is not diligently tending to the needs of her many clients, Ellen volunteers through her local church with the Huntington Interfaith Homeless Initiative. The program has provided overnight shelter 7 days a week from December through March for the last 10+ years to about 25 to 35 individuals per night. Ellen is responsible for “making it happen” one night per month ... including “set up,” oversight, cleanup, dinner, breakfast and bagged lunches the following day.

EMILY HEPDING



Emily has been with the firm for 2+ years and is an Environmental Scientist with the Environmental Remediation Division. Unfortunately, Emily’s mom passed away in February 2012 after a short and severe battle with breast cancer. As a means of celebrating her mom’s life, for the past 4 years Emily raises funds and runs in a 5K race held by a small local non-profit, the Courtney Lynn Blakeslee Foundation, that provides money for children who have lost a parent to cancer. Their motto is, “Live, Laugh, Love.” Good job Emily!

JOSEPH STANGO



Joe is a 5 year veteran at D&B, assisting with any and all matters as a member of the firm’s Accounting Department. The utility infielder that he is, when Joe is not processing the firm’s many client invoices or assembling and delivering project reports and proposals to clients, he is advancing the sport of soccer throughout Long Island. Case in point: since 2009, Joe has been Head Coach of the “South Huntington Predators,” a boys travel soccer team. Under Joe’s coaching leadership, the Predators have had many successful seasons, including a Division 1 Championship. But wait, that’s not all! Joe is also a Board Member of the West Babylon Soccer Club where he serves as the “Squirts” Coordinator (4-6 year olds), Referee Coordinator and Social Media Chairperson, managing all schedules and team activities for the Squirts.

KELLY PEDONE



A 9-year veteran of the firm, Kelly is Executive Assistant to the President, Executive Vice President and Senior Vice Presidents of D&B. When she is not directly involved in administratively supporting the management of the firm, Kelly serves as an Elder of her Church Board. In that capacity, she has been responsible for organizing fundraising activities in support of Communities Responding to Overcome Poverty (CROP). Also working through her church, Kelly is responsible for organizing and implementing coat, blanket and food drives for the needy.

KEN PRITCHARD



A 19 year veteran of the firm and Vice President of the Civil Engineering Division at D&B, Ken is a member of the Board of Trustees at Molloy College. In his roles on both the Board of Trustees and the College’s Facilities Committee, Ken’s significant expertise in site and facilities planning and construction will help guide the College in the successful planning and construction of the various phases of its \$50 million capital project. Ken has also been actively involved in the following organizations: New York League of Conservation Voters, Board of Directors, Long Island Chapter; Energeia Partnership at Molloy College, Class Ambassador; ERASE Racism Former Board of Directors Member and fundraising event co-chair, two years; Sustainable Long Island fundraising event co-chair; CYO Track Coach 6 years; and numerous pro-bono engineering assistance projects with D&B.

LISA ORTIZ



Lisa is an engineer in D&B’s Water Supply Division since 2006. When she is not contributing her talents to solving a water supply issue for one of our clients, Lisa is active in both her community and church. Examples include working as a Boy Scout Adult Leader, a past Parent-Teacher League (PTL) President, current PTL Volunteer, School Board Trustee, Little League Company Sponsor and a baker for both the parish food pantry and parish funerals. In addition to her family and work responsibilities, Lisa always seems to find the time to lend a helping hand in her community.

LOIS STEINGISSER



Lois is a 27-year D&B veteran! When she is not calculating postage rates and shipping correspondences to existing and prospective clients, Lois donates her time and energy to American Veterans (AMVETS). Whether it be disseminating information to Veterans in need of assistance, flag retirement functions or supporting the Color Guard at our local national cemeteries, Lois always finds the time to support our Veterans.

MARIA ZENA



Maria has been with the firm for 4 years and supports the Marketing Department as a Proposal Coordinator. When Ms. Zena is not busy putting the finishing touches on a technical proposal she can be found serving as an event volunteer for the Make-A-Wish Foundation. As a volunteer, Maria is involved in fundraising activities such as selling raffles and organizing silent auctions. In addition, Maria has also participated in actually “granting a wish,” helping to create a “Disney-like” playroom for a young boy afflicted with a rare bone disease.

MIKE SAVARESE



Mike has recently returned to the firm after an 8 year hiatus ... just can't stay away from D&B! He is an Associate with the firm's Water Supply Division. When Mike has completed his "head loss" calculations for a municipal potable water treatment system, we can find him supporting Habitat for Humanity by rebuilding a deck destroyed by Superstorm Sandy or participating in a Rockaway Beach Clean-up as a member of the New York Water Environment Association Young Professionals Committee.

PAUL MOLINARI



An ex-USEPA-Region 2 Water Division Deputy Director, Paul, who is recently retired, assisted the Wastewater Division in a part time capacity with regard to the ever changing regulatory landscape. Paul is a member of the Duffy Park Civic Association, participates in the Oyster Bay Harbor Spring and Fall Cleanup, and is a member of the Medford North Patchogue Lions Club assisting with the distribution of food, shelter and clothing to the needy throughout Long Island.

PATRICIA (PAT) GILLEN



Pat is an 18 year veteran of D&B who worked in the firm's Wastewater Division. When Pat was not working on various technical assignments in support of local, county and municipal clients, she was (and continues to be) an active Eucharistic Minister for her parish church and is responsible for organizing and running the Prayer Shawl Ministry. Unfortunately, for all of us at D&B, Pat recently retired from the firm... she will be missed by staff and clients alike. Pat... enjoy! You deserve it!

THOMAS FOX



Thomas is a 16 year veteran of D&B and a Vice President in the firm's Environmental Remediation Division. When Tom is not assisting clients cleaning up their waste sites, he is raising money for the Seatuck Environmental Association in support of their wildlife/nature area in Islip, by participating in the Owl Prowl SK Run.

VINCENT GUADAGNO



Vincent has been with D&B since 1999 as a member of the Accounting Department. Vincent has a very important role in the firm; he is responsible for making sure that everyone's out-of-pocket business expenses are promptly reimbursed! When Vincent is not carrying out his accounting responsibilities and reimbursing all of his colleagues' expenses, he is a 4-year veteran Volunteer Fireman in his hometown of Massapequa.

PATTI WENDELL



A 5 year veteran in D&B's Accounting Department, Patti makes sure that all of D&B's bills are paid on time... at least the ones that she is responsible for. When Patti is not using her green eyeshade and quill pen to pay bills, she dons her baseball attire as Coach for the St. Hugh's/St. Elizabeth Challenger Baseball Team. She has coached these teams for the past 6 years.



Community service is an important element of what we do at D&B. To that end, we hope that the profiles presented above provide some insight on the people behind the scenes at D&B and their commitment to not only family and work, but community as well. There are many people at D&B who give back to their communities and are not presented in this article ... many, many blood donors like Wendy LaMountain, who, as a universal donor with O+ blood type is apparently in high demand with the American Red Cross. There are also folks who support Boy Scout Troops by meeting transportation needs or conducting merit badge classes,

as well as individuals like Jerzy Kokoszka who was recognized by Nassau County for donating his time and energy to the local chapter of the Polish-American Organization.

Lastly, there are D&B entrepreneurs, like Justin Otto, who by utilizing his outside company, Top Side Lacrosse, provides scholarships, food and toy drives for children who otherwise may not be able to afford to play the sport or enjoy the Holidays.

Thanks to all of you for sharing your community service experiences with our readers. Keep up the good work!

WHAT GOES AROUND ... COMES AROUND!

D&B's Steve Fangmann "Hands-Off" NYWEA President's Gavel at 87th Annual New York City Convention

D&B's Executive Vice President, Steve Fangmann, officially stepped down as President of the New York Water Environment Association (NYWEA) after presiding over the 87th Annual Meeting of NYWEA held in NYC, which coincidentally celebrated the 50th Anniversary of New York's Pure Waters Program. The "passing of the gavel" officially took place on February 4th at the annual awards lunch, where Steve received the President's Plaque for his service to NYWEA.

environmental/water quality issues facing our State and Region at the "fly-in" in April.

- Hosting the first ever Operations Challenge Regional Competition between NYWEA and NJWEA.
- Another first came in August with the NYWEA Chapter Exchange wherein a successful dialogue was developed between all seven chapters of NYWEA.
- NYWEA's water quality representation was also demonstrated at the New York Conference of Mayors, the Hudson Valley Watershed Alliance, as well as the Long Island Water Conference meetings pertaining to Surface and Groundwater Quality.



D&B's Steve Fangmann "passing the gavel" to Mike Garland, Director of Environmental Services for Monroe County and President of NYWEA for 2015

Calendar year 2014 accomplishments include:

- A successful joint meeting of the Water Environment Federation Member Association Exchange (WEFMAX) between NYWEA and the New Jersey Water Environment Association (NJWEA).
- NYWEA strengthened its voice in both Washington, D.C., and Albany on a number of important

And that concludes another year at NYWEA, during which D&B's Steve Fangmann left his mark on an 87 year old institution and becomes a "Water Ambassador" not unlike the 85 past NYWEA Presidents who preceded him. Congratulations on a successful year, Steve!

D&B ACCEPTS AWARD FOR 50 YEARS OF SERVICE



D&B's John Schreck, P.E. (left) and Robert Raab, P.E. (right) are shown here with Feniosky Peña-Mora, DDC Commissioner

The American Council of Engineering Companies - NY (ACEC) is the voice of the local A/E community. On March 5, 2015, the ACEC-NY chapter hosted a "Doing Business with the NYC Department of Design and Construction (DDC)" event. D&B Engineers and Architects, P.C. sponsored the event and was presented an Anniversary Award for 50 Years of Continuous Service to the A/E industry. The honored guests at this event featured the leaders of the DDC including: Feniosky Peña-Mora, Commissioner; John Goddard, P.E., Agency Chief Contracting Officer; Eric C. Macfarlane, P.E., Deputy Commissioner, Infrastructure Division; and Christine J. Flaherty, CCM, LEED AP, Associate Commissioner, Public Buildings Division.

William F. Cosulich
Associates, P.C. ...
Dvirka and Bartilucci
Consulting Engineers ...
D&B Engineers and
Architects, P.C.



a Retrospective.



by Nicholas J. Bartilucci, P.E.,
Past President and Chairman of the Board

I started with William F. Cosulich, P.C. (WFC) in early **1970**. The firm was barely five years old. At the time, there were approximately eight or ten full-time employees and several part-time employees. I was hired as an employee with the title "Associate." The employees at that time that come to mind were: Henry Chlupsa, Miroslav (Miro) Dvirka, Norman Woliner, Henry Ostrowski, Vincent Guarascio and Bill Cosulich, the President and sole owner.

The firm's practice involved primarily the planning, design and construction services associated with wastewater projects.

Assignments in-house at the time included the expansion and upgrade of New York City's Hunts Point Wastewater Treatment Plant, miscellaneous improvements to the collection and treatment systems at the



Bill & Anne Cosulich

Great Neck Wastewater Treatment Plant, and designs for construction of several small wastewater treatment plants for private housing developments. Miro had been hired by Bill for his expertise in the design of solid waste incinerators and the firm had recently been awarded a contract to design the upgrade of the Town of Oyster Bay solid waste incinerator. At that time, the firm was located in a small office at 95 Commercial Street in Plainview, New York, its second location since its founding in **1965**. In fact, the office was so small that I shared space with the secretary in the reception area. With the addition of Miro and myself, the firm's areas of practice broadened. Miro was involved in additional incineration projects and I was fortunate to bring to the firm a number of former clients that included water supply and general engineering for the Village of Williston Park, Town of Brookhaven solid waste and scavenger waste treatment design, the Port Washington Water Pollution Control District and the upgrade and expansion of the City of Glen Cove Wastewater Treatment Plant.



Bill Cosulich & Nick Bartilucci

These new projects, together with additional wastewater projects, required the hiring of additional employees and the relocation of the office to larger quarters at One Crossways Park Drive, Woodbury, New York. It should be pointed out that Henry Chlupsa, as an experienced wastewater design engineer, played a significant role in the growth of the firm's wastewater practice, as well as managing and maintaining individual wastewater projects.

In **1972**, Miro and I were made partners by Bill Cosulich. The firm continued to grow. Employees that joined the firm at that time were Dennis Koehler and Joe Baader. The firm's client base continued to expand. New clients included the United States Army Corps of Engineers, New York State Pure Water Authority, now known as the Environmental Facilities Corporation, and the Multi-Town Solid Waste Authority in Suffolk County.

In **1976**, the partners of WFC changed the structure of the firm from a partnership to a recently permitted New York State Professional Corporation (P.C.). A significant factor in the decision to convert to a P.C. was that the firm could establish a pension system for its employees with the corporation contributing to its funding.

The firm continued to grow in numbers of employees and the need for larger office

space, resulting in relocation to 100 Crossways Park Drive, Woodbury, and then ultimately 330 Crossways Park Drive, Woodbury, where the headquarters of the firm currently resides.

During the period **1982 to 1987**, a number of former U.S. Environmental Protection Agency employees joined the firm: Thomas Maher, Charles Manning, Pat Gillen, Anthony Conetta, and Richard Walka. Their experience and knowledge with federal and state regulations regarding environmental issues allowed the firm to expand its services into the fields of environmental impact studies, hazardous waste investigation and remediation, landfill closures and hazardous waste compliance. The firm continued to expand its client base as well as the number of employees.

In **1986**, the principals decided, for marketing and business development purposes, that Miro and I should form a separate partnership to be known as Dvirka and Bartilucci Consulting Engineers (D&B).

D&B's market area at that time was primarily Long Island and Westchester County, with WFC focusing on the balance of the geographic market sectors. Soon thereafter, because of the need for additional office



'Future' President Henry Chlupsa with his "all day sucker"

space, a local D&B satellite office was established in Syosset, New York. Most D&B project work was performed at this office.

In **1989**, Miro passed away. His passing was a significant loss to the firm. He was a hard working, brilliant man, often in the office 7 days a week. Miro had advanced the solid waste

component of the firm to approximately one-third of its total billings, primarily in the design of new and upgraded incinerator projects. Eli Pritchard replaced Miro as a partner in D&B.

It should be noted in the years leading up to about **1990**, the firm opened regional offices in Syracuse, New York and South Plainfield, New Jersey. These offices were initially dedicated to performing solid waste projects. In approximately 1990, the firm opened an office in Westchester

County to serve County clients primarily in the wastewater field. Also around this same timeframe, it was decided to dissolve the D&B partnership and market Dvirka and Bartilucci Consulting Engineers as a "division of William F. Cosulich Associates."

On June 30, **1992**, Bill Cosulich

retired as President and Chairman of the Board of WFC and was replaced by me. I remained as President of WFC for over 16 years, electing to step down and hand the governance of the firm to Henry Chlupsa and Steven Fangmann in **2008**. Subsequent to my departure, the Principals of the firm expanded the services of the firm to include the architectural practice, hence the creation of D&B Engineers and Architects, P.C. That brings us to **2015**.

In the 50 years since its inception the firm has seen considerable success. Great clients, challenging assignments and most importantly, a team of very dedicated and loyal staff have all combined to establish and foster the great reputation that the firm enjoys today. I am confident that the firm is poised

for continued success in the future as it expands its client base, diversifies its practice areas, and continues to build upon its portfolio of challenging assignments and new geographic market sectors. Currently, with over 200

employees the firm has grown beyond the expectations of Bill, Miro and myself. I know that Bill and Miro would be proud as I am of its accomplishments.



Susan & Dennis (Serpico) Koehler

D&B Launching its New Website!

As we celebrate D&B's 50th anniversary, we thought, "what better time to launch our new website than during our golden year?"

D&B's new website will feature a fresh new look and a new streamlined, user-friendly format with intuitive menus and simple, straight-forward navigation tools. Our new website will contain valuable information about D&B, including details about our multi-disciplined services, insight into our staff and projects, and even contain articles and presentations from many of our talented staff members.

D&B has been providing our clients with the best environmental engineering/science services in the industry for 50 years, and our goal is to provide the best online experience in the industry as well. Our dedicated "website committee" is working hard to launch our new, fully responsive (adapting to all mobile devices) website by mid-2015.

Professional Women in Construction Hosts Event to "Meet the Construction Chiefs"



D&B's Dorota Gocal, Elizabeth Sam and Kiersten Walsh

On February 26, 2015, the PWC-NY chapter hosted an event entitled "Meet the Construction Chiefs." The honored guests at this event featured the heads of major private companies and public agencies such as the Battery Park City Authority; the Port Authority of NY & NJ and the NYC Department of Buildings. D&B's John Schreck, P.E., Elizabeth Sam, Kiersten Walsh and Dorota Gocal, all members of PWC, attended this event and met a number of featured guests obtaining valuable information regarding various NYC construction projects anticipated in the near future.

Professional Women in Construction (PWC) is a nonprofit advocacy and support organization dedicated to the advancement of professional, managerial and entrepreneurial women in construction and related industries. This association, open to individual women and men, presents monthly programs and special events such as *Meet the Construction Chiefs*, *Meet the Architects & Engineers*, and *Transportation and Development Forums*.

On February 26, 2015, the PWC-

D&B's Christopher LeHanka Presents BNR Treatment Start- up and Optimization for the Great Neck WPCD at the NYWEA Conference



D&B's Christopher LeHanka

At this year's New York Water Environment Association, Inc. (NYWEA) annual conference, D&B Senior Associate, Christopher LeHanka gave a presentation entitled the "Trials and Tribulations of Consolidation, Start-up and Optimization of BNR Treatment at the Great Neck WPCD." Throughout his 14 year career in D&B's Wastewater Collection and Treatment Division, Chris has gained extensive experience as a Project Manager/Project Engineer for numerous wastewater and environmental engineering projects, including the \$60 Million Great Neck Water Pollution Control District Biological Nutrient Removal (BNR) Project that he presented at the NYWEA conference.

The District and D&B evaluated various treatment alternatives to achieve the required nitrogen removal imposed by the New York State Department of Environmental Conservation (NYSDEC)/Long Island Sound Study (LISS). Ultimately, the Activated Sludge/Oxidation Ditch technology was selected to provide the optimal and most cost-effective BNR treatment. The Oxidation Ditch technology was selected based on a projected operation/energy savings associated with its low dissolved oxygen levels and the ability of the process to achieve simultaneous nitrification/denitrification.

The District flow was introduced into the upgraded plant in January 2013 and through the consolidation of two systems, the Village flow was connected to the District in December 2013. The plant upgrade and expansion project was substantially completed in January 2014. In Chris' presentation, he discussed the results achieved during the first year of operation and the issues associated with adjusting to a new plant and a new technology. Also discussed were the challenges faced during construction, the initial start-up of the Oxidation Ditch with only District flow, the addition of primary sludge to improve the Biological Oxygen Demand to nitrogen ratio (BOD/TN), the introduction of Village flow and the results from optimization of the BNR treatment process with the Oxidation Ditch manufacturer.

The presentation was well received at the conference and very informative... thank you Chris for a job well done!





330 Crossways Park Drive
Woodbury, NY 11797
(516) 364-9890

findingsolutions@db-eng.com
www.db-eng.com

ADDITIONAL OFFICES:

4 West Red Oak Lane, Suite 315
White Plains, NY 10604
(914) 467-5300

5879 Fisher Road
East Syracuse, NY 13057
(315) 437-1142

3000 Hadley Road
South Plainfield, NJ 07080
(908) 668-4747

D&B Engineers, LLC
1 Waterview Drive
Shelton, CT 06484
(203) 225-7440

D&B/Guarino Engineers, LLC
8 Neshaminy Interplex, Suite 219
Trevose, PA 19053
(215) 244-9972

As D&B celebrates the success and longevity we have achieved during this milestone year, we reflect on the long lasting relationships we have created and maintained with our valued clients. So, we want to extend a special “thank you” to our clients for their loyalty, friendship, and most especially for being part of our fifty-year journey!

➔➔➔➔➔➔➔➔➔ **MAJOR SERVICE AREAS:** ➔➔➔➔➔➔➔➔➔

Wastewater Management
Construction Management
Water Supply Services
Green Infrastructure
Environmental Investigation and Remediation

Multimedia Environmental Compliance
Civil Engineering
Environmental Review and Permitting
Solid Waste Management

Architectural Services
Municipal Planning
Electrical Engineering Services
Structural Engineering Services