

ExxonMobil Progress

Greenpoint Community News

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Reducing our Footprint

As part of ExxonMobil's commitment to operate in an environmentally responsible manner, ongoing efforts are being made to incorporate sustainability strategies and metrics into activities associated with the Greenpoint Remediation Project. Some of these sustainability activities include:

Recovery Well Operations

Since 1996, ExxonMobil has installed energy efficient recovery well system components—called Variable Frequency Drives (VFDs)—that allow recovery well motors to run at lower frequencies, reducing the amount of CO₂ emitted into the atmosphere. The use of VFDs on recovery wells in 2011 alone prevented some 1,646 metric tons of CO₂ from escaping into the atmosphere. Since first installed, the VFDs have prevented approximately 7,000 metric tons of CO₂ from being emitted. Upgrades have been made to the system's computer monitoring screens, improving overall visualization of system components for more efficient system operations.

Capturing Solar Power

The solar panels installed on ExxonMobil's Soil Vapor Extraction (SVE)/ Office Building at 38 Varick Street, on average, generate approximately 10 percent of the power needed to run the SVE treatment system. This also equates to energy savings—the panels generated 21,995 kilowatt hours of clean energy in 2011. ExxonMobil anticipates using solar energy in future remedial actions as appropriate.

Storm Water Management

In addition to the solar panels at 38 Varick Street, ExxonMobil has installed five rain gardens with varying storage capacities for storm water

management within the 38 Varick Street property. The total rain garden storage is approximately 1,500 ft³ (11,221 gallons) and the total surface area draining to the rain gardens is greater than 6,500 ft².

Energy Reduction

To reduce its energy usage, ExxonMobil installed 24 motion sensors within its facilities, which are programmed to automatically turn off the lights after 15 minutes of no motion. Since the sensors were installed in October 2011, more than 3,000 kw hours have been saved.

Recycling Program

ExxonMobil continues its recycling program. On average, approximately 48 pounds of plastics and aluminum, 20 pounds of paper and 160 pounds of cardboard are recycled each month. In its lifetime, the recycling program has recycled more than 1,104 pounds of plastic and aluminum, 494 pounds of paper, 4,920 pounds of cardboard, and has saved 19 metric tons of CO₂.

Clean Water Discharges

More than 2.5 billion gallons of groundwater over the lifespan of the remediation project have been treated to remove pollutants before ultimately being discharged in Newtown Creek in accordance with a SPDES (State Pollutant Discharge Elimination System) permit issued by the state Department of Environmental Conservation. The current operating system is treating and discharging approximately 29 million gallons of groundwater per month. The ability to treat and discharge the groundwater in accordance with the SPDES permit is central to our ability to continue our remediation efforts.

ExxonMobil — Broadway Stages Partnership Benefits Greenpoint Community

ExxonMobil and Broadway Stages, one of New York City's largest full-service film, television and music video production facilities, have joined forces to work together and better serve the Greenpoint community.

Under the ownership and vision of the brother-sister act of Tony and Gina Argento, Broadway Stages has been an important part of New York City for the past quarter century. It was in 1983 that Tony decided that he wanted to enter the film business, opting to build a studio in Astoria, Queens, instead of moving to California. In 1998, with business doing well, Tony purchased a building in Greenpoint to expand his business.

Today, Broadway Stages has more than 500,000 square feet of studios, office space, post-production facilities, and 17 sound stages that have brought more than 50 percent of New York City's film, *(continued on page 2)*



Broadway Stages is partnering with ExxonMobil, the YMCA and NYU on the 2012 summer teen SYSTEM program. Here, SYSTEM 2011 students transport chips for trail maintenance in Lentol Garden. Pictured (left to right): Nicole Sasiela, Donatello Meltz DeMeo and Kevin Negron.

Open Letter to Residents

Welcome to the fourth issue of the *ExxonMobil Greenpoint Progress*, a newsletter designed to keep you—our neighbors—informed of ExxonMobil's activities in Greenpoint, Brooklyn.

In 2011, we continued to focus on integrating technologies in an effort to improve investigation and remediation activities, as well as incorporate sustainability methods. We hope you take some time to learn more about the progress that was made in 2011.

We're also proud to report that ExxonMobil was awarded a Corporate Lands for Learning Certification from the Wildlife Habitat Council for its work at Lentol Garden through the summer teen SYSTEM program that stresses STEM (science, technology, engineering and math) education. This program has been developed and implemented in close partnership with New York University and the Greenpoint YMCA.

This issue also highlights some of our community involvement efforts. We're particularly pleased that PS110 was able to match and exceed a \$10,000 challenge grant issued by ExxonMobil upon the occasion of Community Advisor Melissa Lorenza running in the New York City marathon.

As the new community liaison, I look forward to getting to know the faces of the Greenpoint community and working with you to make Greenpoint a better place to live, work and play. If you have a question or you'd like to learn more about the Greenpoint Petroleum Remediation Project, please contact me at (718) 404-0675.

Sincerely,



Kevin Thompson
COMMUNITY LIAISON

ExxonMobil — Broadway Stages Partnership



SYSTEM students construct the rain barrel catchment system in Lentol Garden. (Left to right): Kevin Negron, Erica Lei, Rai Munoz, and Donatello Meltz DeMeo.

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television and advertising work to Brooklyn. In addition to economic leadership, Broadway Stages is an urban environmental leader: It is pioneering rooftop farming at its facilities to provide food for the community, improve the air, keep buildings temperate, and reduce storm water run-off. Broadway Stages' Eagle Street Rooftop Farm is the first-ever, year-round, fully operational, organic rooftop garden in New York City. Broadway Stages also installed 50,000 square feet of solar, photovoltaic systems on the rooftops of seven of its facilities, providing some 30 percent of Broadway Stages' annual electricity consumption.

"Brooklyn was the perfect place to expand our business," said Tony. "Let's face it, everyone wants to film in New York City and Brooklyn really delivers that New York ambiance. Plus, we're conveniently located between the Midtown Tunnel and the Williamsburg Bridge."

Since moving to Brooklyn in 1998, Broadway Stages and its clients have employed thousands of people and have created hundreds of local jobs. Today, Tony has plans to construct seven new sound studios at its Kingsland Avenue location. He expects a majority of the required construction supplies and jobs to be locally sourced.

With dramatic expansion underway in Greenpoint, Broadway Stages found itself with a shortage of parking space for clients. That's when it turned to ExxonMobil, which owns several nearby properties. ExxonMobil agreed to lease its properties at North Henry and Monitor Streets to create additional parking space to accommodate Broadway Stages' growing needs. ExxonMobil and Broadway Stages are also working together to conduct interim remedial measures at 369

Kingsland Avenue, where Broadway Stages is building additional facilities.

As the two companies collaborated to find ways for Broadway Stages to expand in Greenpoint, they also realized they shared a commitment to support the local community. In 2011, ExxonMobil and Broadway Stages co-sponsored Green Science Day at Public School 110, and will do so again in 2012. ExxonMobil, a strong supporter of STEM (science, technology, engineering and math) education, was pleased that Green Science Day broke PS 110's attendance record when 98.6 percent of the student body showed up to participate and learn. Broadway Stages is also partnering with ExxonMobil on the 2012 summer teen SYSTEM program.

"I am so happy that we were presented with the opportunity to work and partner up with ExxonMobil, it has truly been an amazing experience," said Gina. "What I love most about our companies is joining together our love for Greenpoint. We have both strived and will continue to make real life contributions to benefit our families, colleagues and neighbors!"

Broadway Stages also hosts a range of events within the community, and the Argentos are very active in local economic development and civic organizations, including the Brooklyn Chamber of Commerce, East Williamsburg Valley Industrial Development Corp (EWVIDCO), and the Greenpoint YMCA.

Broadway Stages in Greenpoint is currently home to *Blue Bloods*, *Royal Pains*, *Smash*, and *The Good Wife*. Previous movies filmed include *It's Complicated*, *Duplicity*, *Music and Lyrics*, *The Good Shepherd*, *Pride and Glory*, and *Definitely, Maybe*.

Wildlife Habitat Council honors SYSTEM youth program

The Wildlife Habitat Council (WHC), a nonprofit group dedicated to restoring and enhancing wildlife habitat, has certified ExxonMobil's summer teen SYSTEM (Summer Youth Science, Technology, Engineering and Math) program as a "Corporate Lands for Learning" educational program. In announcing the certification at its annual awards banquet, the WHC said the program demonstrated "employees at ExxonMobil Greenpoint are committed to providing exemplary conservation education experiences for your community."

SYSTEM is a six-week-paid, summer youth program for Greenpoint high school students. Each week concentrates on a different aspect of science, technology, engineering or math education, as well as community engagement. Through community service projects, field trips and workshops, SYSTEM incorporates green technology, community service, local history and careers to give students an opportunity to learn more about where they live. ExxonMobil, in close partnership with New York University's (NYU) Wallerstein Collaborative for Urban Environmental Education and the Greenpoint YMCA, will sponsor the third SYSTEM program this summer. Teens interested in applying should contact Tamma Tyler at System.YMCA@gmail.com or (212) 912-2265.

"This program provides one of the most unique environmental education opportunities for New York City's youth," said Mary Leou, professor of Environmental Education and director of the Wallerstein Collaborative for Urban Environmental Education at NYU. "We take a place-based approach to education, and expose students to science, technology, engineering and math in a way that enables them to apply content to real world projects in their own community. Students learn to use technology in solving



The Wildlife Habitat Council awarded ExxonMobil's SYSTEM program with a Corporate Lands for Learning certification on November 15, 2011. Pictured (left to right) are Richard Woods (ExxonMobil Biomedical Sciences Inc.), Bob Johnson (WHC president), and Paul Krishna (ExxonMobil Environmental Programs Manager).

environmental problems. They become stewards of Lentol Garden and they learn about the history of Greenpoint, while helping to shape its future."

Lentol Garden is the focal point of SYSTEM's environmental work in Greenpoint. SYSTEM students plant, remove invasive plants, create trails for visitors, plant annuals and native plants, and become knowledgeable about the importance of open space in the Greenpoint community and in urban areas. Students also learn about street tree care.

2011 Accomplishments

- > The 11 recovery wells, 10 of which ExxonMobil installed in 2009 and one in March 2011, have increased the project's overall recovery efforts. The 2011 average was 1,140 gallons per day.
- > Recovered an additional 418,083 gallons of product in 2011, bringing the lifetime total of product recovered by ExxonMobil to 8,013,885 gallons. The total number of gallons recovered in 2011 at Greenpoint through the combined efforts of ExxonMobil, BP and Chevron was 11,842,500 gallons.
- > The Soil Vapor Extraction System, located at 38 Varick Street, continues to operate in an effort to mitigate any potential soil vapors at the intersection of Bridgewater, Norman and Apollo Streets.
- > On March 1, 2011, ExxonMobil and the State of New York filed a Consent Decree that specifies the remediation program requirements which ExxonMobil will meet to fulfill its environmental responsibilities for the Greenpoint Petroleum Remediation Project. The Consent Decree also provides the requirements for various key report submittals, which are subject to the review and approval of the New York State Department of Environmental Conservation (NYSDEC).
- > Completed Phase I of the installation of storm sewer piping along Greenpoint Avenue to allow for the potential future installation of a storm water management system for ExxonMobil-owned properties.
- > Commenced additional assessment work with evaluative technologies intended to determine potential, optimal locations for recovery wells. These technologies include Cone Penetrometer Testing (which generally allows soil to be tested without the need to send soil samples to a laboratory for analysis) and Laser Induced Fluorescence soil probes (which generally use ultraviolet light to estimate the potential extent of product in the soil formation, where present).
- > Underground pipe removal activity within the former, historic terminal and refinery properties continued in 2011, with approximately 80 percent of the subsurface piping removed.
- > Recycled 576 pounds of aluminum and plastic, 1,920 pounds of cardboard and 240 pounds of paper in 2011.

2012 Updates

- > Continuing soil vapor monitoring efforts and sampling at 77 permanent soil vapor points within residential and commercial areas.
- > Ongoing evaluation of new remedial technologies, including further pilot tests of "Wavefront Technology." Generally, this technology injects water into existing monitoring wells to enhance potential product flow towards recovery wells at a higher rate. ExxonMobil is also piloting near-well vibration tools and one remote-well vibration tool in an effort to keep well screens clear and to enhance potential product flow into recovery wells.
- > The storm sewer installation project along Kingsland Avenue, and exploration of additional storm water drain projects, are expected to be completed in 2012.

Snapshot: **Community Liaison Kevin Thompson**

Kevin Thompson has joined the ExxonMobil Greenpoint team as the new community liaison. Thompson, a native New Yorker, is excited about moving back to Brooklyn and becoming part of the Greenpoint community. With a mother from Brooklyn and a father from Queens, Thompson says, “My roots are in New York City, and it’s a thrill to be back in the Big Apple! I have family and friends all over the City, with whom I can’t wait to reconnect.” Kevin’s father graduated from King’s Point Merchant Marine Academy and his uncle was a police officer in the NYPD in Brooklyn for many years.



Thompson has spent more than a decade forging positive relationships with local communities on behalf of the energy industry and looks forward to continuing these efforts in Greenpoint.

“Multi-year projects like Greenpoint demand an aggressive community engagement program so that our neighbors and other stakeholders understand the work we are doing and the progress being made to remediate

the site,” Kevin said. “ExxonMobil realized early on that as environmental standards progressed, it was incumbent upon it to restore the sites and clean-up contamination resulting from historical operations. It’s simply the right thing to do.”

Thompson’s past assignments have provided a variety of opportunities: He worked with native Indian tribes in the San Juan Basin in Colorado/New Mexico who were concerned about the impacts of natural gas exploration and production on their lands. Working on remediation programs near Bayou Trepagnier in Louisiana, he partnered with a local school in a program for fifth graders called Wetland Watchers. The students helped to monitor the health of Bayou Trepagnier, in the LaBranche Wetlands, learning about wetlands habitat and wildlife stewardship. The program raised the students’ environmental awareness, teaching an entire generation of children about the importance of sustainability.

Thompson is excited to meet the community in Greenpoint, as well as those living in the surrounding Brooklyn and Queens neighborhoods. “I look forward to the opportunity to participate in grassroots stakeholder engagement strategies designed to let our Greenpoint constituents know about the good work ExxonMobil is doing to remediate the site,” said Thompson. “I view remediation as an opportunity to demonstrate ExxonMobil’s unwavering commitment to the environment and the principle of sustainability in the conduct of its business.”

In the Community



Public School 110 students rally for fitness! The PTA raised \$11,745 to match a \$10,000 “Running for Education” challenge grant by ExxonMobil, which sponsored Community Affairs Advisor Melissa Lorenzana when she ran in the NY Marathon.



ExxonMobil team donated more than \$1,000 in food and gift cards to a local food pantry. Pictured (left to right) are Tim Unalp, Brian Lapp (Roux Associates), Steve Trifiletti (ExxonMobil project manager).

Visit us Online

For more information we invite you to visit our website at www.ourgreenpointcommitment.com. The website includes extensive information about the history of the site, our remediation progress and our community activities, including our partnerships with the Greenpoint YMCA and Greenpoint’s elementary school, P.S. 110.



ExxonMobil team collected books, toys and gifts for Toys for Tots. Pictured are Christopher Proce (Roux Associates) and Steve Trifiletti (ExxonMobil project manager).



For comments or inquiries contact Kevin Thompson, Community Liaison, at kevin.m.thompson@exxonmobil.com.

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