

ExxonMobil Progress

Greenpoint Community News

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ExxonMobil supports oyster restoration

Students at New York Harbor School have been working hard to restore the live oyster reefs that once thrived in the Hudson River estuary. Now, they have a new partner: ExxonMobil.

The Billion Oyster Project (BOP) is a unique program developed by the New York Harbor Foundation and the Harbor School that teaches students from across the city about the importance of protecting local marine ecosystems. Since its inception, BOP has placed more than 11 million live oysters into the harbor, where they provide a wide range of benefits, including water filtration and wave attenuation.

Students at Harbor School, one of several

Greenpoint-area schools supported by ExxonMobil, manage an oyster hatchery that grows more than 10 million oysters each year. They also serve as marine biologists, underwater engineers and other key positions in the program.

An important element of the BOP is collection of old oyster shells from area restaurants. The shells are cured in the sun for a year, then used to provide a hard surface on which oyster larvae – grown by Harbor School and other participating campuses – can attach and begin generating their own shell. Once attached to a discarded shell, it takes about three years for the oysters to mature.

Collecting and storing the oyster shells is a major

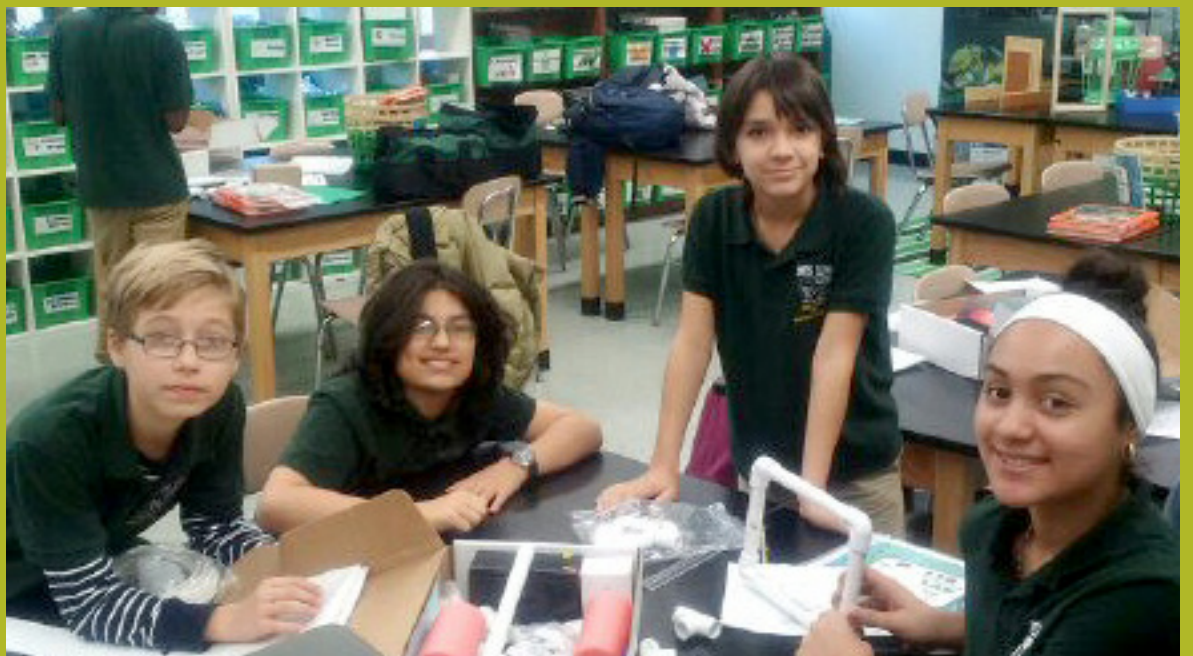
task that requires significant coordination. To help reduce the number of trips collection trucks make to the curing site, ExxonMobil is allowing BOP to utilize 30 cubic-yard containers at the former Greenpoint refinery to store and cure the collected oyster shells.

“We are close to the participating restaurants,” says Kevin Thompson, ExxonMobil’s community liaison. “Storing the shells here cuts three trips a week to Staten Island down to one – saving time and money.”

SeaPerch students dive into science

ExxonMobil is proud to support the students of MS 126 participating in the SeaPerch competition, an innovative, underwater robotics program that equips teachers and students with the resources they need to build an underwater Remotely Operated Vehicle (ROV).

Students build the ROV from a kit, following a curriculum that teaches basic engineering and science concepts with a marine engineering theme. SeaPerch provides students with the opportunity to learn about robotics, engineering, science and mathematics (STEM). It also teaches basic skills in ship and submarine design, exploration of naval architecture and marine and ocean engineering principles.



Greenpoint Petroleum Remediation Project

2016 Updates:

- >Soil vapor monitoring continues; sampling more than 100 permanent soil vapor points within residential and commercial areas.
- >Groundwater monitoring continues; sampling more than 100 monitoring wells within residential and commercial areas.
- >Continued implementation of vapor-phase recovery at select recovery well locations in an effort to increase product recovery rates.
- >A new product recovery well will be installed in Operating Unit-8 on Gardner Avenue in 2016.
- >Monitoring data confirms hydraulic control of groundwater is moving it towards recovery wells.

Overall Progress

On April 28, 2016, the New York State Department of Environmental Conservation issued a FINAL record of decision for:

- >Operating Unit-2 that identified that no further action was necessary and this operable unit is closed.
- >Operating Unit-6 that identified there was no indication of impacts from historic ExxonMobil operations and no further action was necessary and this operable unit is closed.
- >Operating Unit-1 that approved ExxonMobil's recommended remedy which will be completed in the next two years.

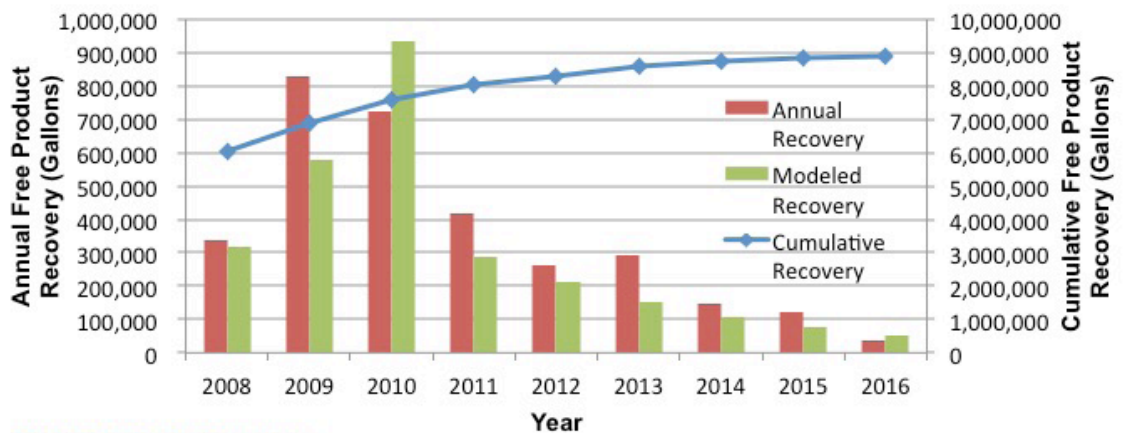
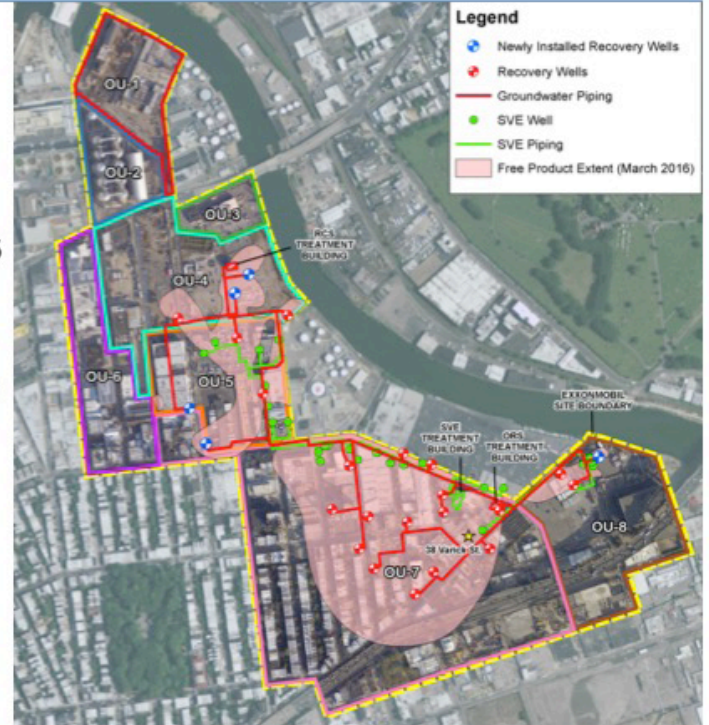
2015 Accomplishments

Remediation Systems

- Two groundwater treatment systems
 - Over 800,000 gallons per day
- 23 dual-pump recovery wells
 - Began operation of three new recovery wells in 2015
- Soil Vapor Extraction system
 - System expansion continued in 2015 and 2016 in areas OU-5, OU-7, and OU-8

Site-wide Monitoring

- Monitoring data confirms hydraulic control of groundwater towards recovery wells
- NYSDEC / NYSDOH testing confirms no petroleum vapor intrusion concerns in residential area



Free-Product Recovery

- Over 12.7 M gals recovered; 8.8 M by ExxonMobil
- Product thicknesses and volume continue to decrease throughout the Site
- Approaching the final stages of removal of recoverable free-product
- Soil vapor recovery and groundwater treatment will continue for a number of years

Open Letter to Residents

Welcome to the eighth issue of the ExxonMobil Greenpoint Progress, a newsletter designed to keep you informed regarding the progress of the Greenpoint Petroleum Remediation Project and ExxonMobil's support for the Greenpoint community. As your Greenpoint community liaison, I once again would like to extend our thanks for your patience and support of our remediation work. In this newsletter we share with you the progress we have made in conducting the remediation, as well as our efforts at supporting Greenpoint schools and community organizations.

ExxonMobil is committed to improving the quality of life in the communities where we operate. Our three corporate focus areas are education, health and improving economic opportunities for women. In Greenpoint we seek to further these objectives by supporting a number of schools and other worthy organizations, including:

PS 31 and 110
MS 126 and IS 318
Williamsburg High School for Architecture & Design
YMCA Strong Kids program
Go Green! Brooklyn Festival
Big Brooklyn Toy Drive

Greenpoint Hunger Project
McGolrick Park Neighborhood Alliance
Curb Your Litter
Lentol Gardens
Brooklyn Chamber of Commerce
Greenpoint Chamber of Commerce
Queens Chamber of Commerce

NY League of Conservation Voters
Education Foundation
Waterfront Alliance
Pure Earth
Wallerstein Collaborative for Environmental Education NYU
Billion Oyster Project

As always, if you have any questions about our work or the programs we support, feel free to contact me.

Kevin Thompson
Community Liaison



Cadets from the U.S. Military Academy at West Point visit the Greenpoint site for a half-day of tours and presentations with field technicians. ExxonMobil and the New York Department of Conservation have hosted the cadets, all of whom are environmental engineering majors, since 2008.



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