

Bayshore RSA Water Pollution Control Plant (WPCP) Improvements

NJ I-Bank and NJDEP Helping to Improve
New Jersey's Infrastructure, One Project at a Time



Pictures courtesy of Bayshore RSA

NJIB Project of the Week: Bayshore RSA Water Pollution Control Plant (WPCP) Improvements Community Receives \$9,888,861, in Water Bank Loans. Estimated Savings to ratepayers of \$2,409,074.

The Bayshore Regional Sewerage Authority (BRSA) recently completed wastewater improvements that are being funded with approximately \$9.9 million in loans from the NJ Water Bank, a joint low-rate funding program of the DEP and the NJ I-Bank. Total savings for this project are estimated to be \$2,409,074 over the 20-year term of the loan or 24% of the total project cost. In addition, this project created an estimated 117 direct construction jobs.

According to Robert Fischer, Executive Director, of the BRSA, "Utilizing the I-Bank's low-rate funding for the restoration and mitigation of damage caused by Superstorm Sandy, allowed us to, not only restore our 24-acre facility campus, but also to protect it from future storms of greater strength. With the savings we were able to realize for our ratepayers through the Water Bank, it just didn't make sense to seek funding elsewhere."

The project included repairs and improvements to BRSA's Water Pollution Control Plant (WPCP) in Union Beach that was completely flooded by Superstorm Sandy. The work entailed repair of the damages and mitigation measures to protect against wastewater service disruption in case of future coastal storms. In addition, updates to the incinerators at the WPCP brought the plant into compliance with new federal air emissions regulations.

Specific details of the work included restoration and mitigation of the administration building, the odor control building, primary sludge pump stations #1 and #2, the return sludge pump station, the hypochlorite building and the fire water pump station. The main pump station and sludge return building and pump station were repaired as well as the Laboratory and Office Building. The Niro incinerator system was repaired and upgraded. A flood wall was also constructed to protect against future flood damage. The facility is now protected against storms of greater size and intensity than Superstorm Sandy.

According to Monmouth County Freeholder Patrick Impreveduto, "This project will benefit all of the communities served by the BRSA. It will protect against wastewater service disruption and lower the risk of future flooding impacts, improving resiliency to the plant. This project is an example of the BRSA's commitment to future stability, quality service, a healthy environment and fiscal responsibility."

Components of the project were designed by R3M Engineering, PS&S, LLC, and Hazen & Sawyer, P.C. The projects were constructed by Shorelands Construction, Inc., Northeast Remsco Construction, Inc., and Stone Hill Contracting Co., Inc.



For more information regarding borrowing through the NJ Water Bank, visit www.njib.gov