
VILLAGE OF ATHENS

WWTP UPGRADE — FLOOD RESISTANT DESIGN



Delaware Engineering designed and constructed upgrades at the Village of Athens WWTP, with construction completed in June of 2012. As the WWTP is located within the floodplain of the Hudson River, the upgrades to the facility were designed to minimize any damage during flood events. All equipment which could not be installed above the 100-year flood elevation was designed to be submersible, with hydraulic or submersible motors. Although the facility

flooded during Hurricane Sandy, and the site and headworks area were fully submerged, the plant suffered no damage. Flow into the facility was ceased at approximately 3 am as the headworks became submerged. Due to the flood resistant design, the facility suffered no damage and was fully operational as soon as the flood water receded. All components of the facility were back on-line and meeting all effluent limits by 10 am of the same day.

