



NEW JERSEY  
AMERICAN WATER

# EXPERTS IN WASTEWATER

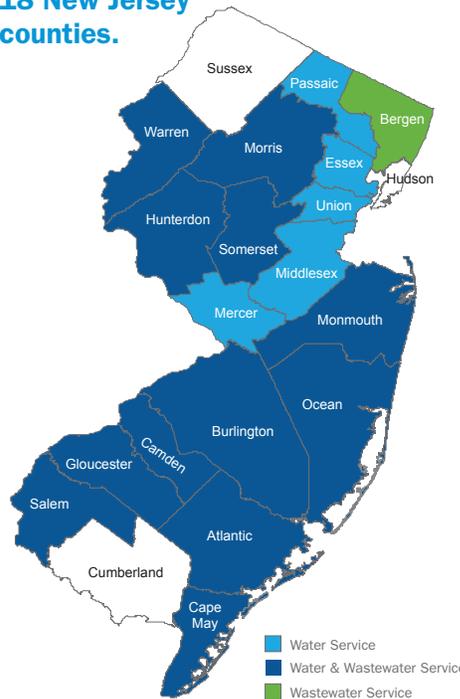
New Jersey American Water has been providing high-quality, reliable water and wastewater service to customers across New Jersey for more than a century. We are the largest water service provider in the state, serving approximately 2.7 million people — or one out of every three people — in 191 communities in 18 counties. More than 800 employees carry out our foremost responsibility of providing high-quality, reliable water and wastewater service to our customers around the clock. Our team of experts continuously monitor, maintain and upgrade our facilities to ensure that they operate efficiently and meet all regulatory standards.

## Investing in Our Systems

New Jersey American Water invests approximately \$350 million annually — nearly \$1 million a day — to make improvements to our infrastructure across the state. With 650,000 customer accounts serving 2.7 million people statewide, New Jersey American Water has a large customer base over which to spread investments into our systems. Our significant expertise in managing and operating water and wastewater systems, with great economies of scale, provides much greater levels of efficiency and lower costs for purchasing, engineering and construction.

**As the sewer service provider for more than 65,000 customers statewide, we've invested over \$68 million in our wastewater systems over the last five years to ensure reliable service.**

**We provide service to approximately 2.7 million people in portions of 18 New Jersey counties.**



## Wastewater Expertise

New Jersey American Water is a wastewater solutions provider that delivers valuable, cost-efficient and environmentally sound solutions for municipalities and organizations requiring a partner with experience, resources and proven expertise. We currently own and/or operate 26 wastewater systems with 20 wastewater treatment plants, 36 lift stations and more than 400 miles of pipe. Over the last five years, we have invested over \$68 million into our wastewater system assets, including wastewater mains, treatment plants and lift stations, to continue to ensure reliable and environmentally sound service. All our operations have achieved full compliance with federal and state wastewater environmental regulations.

## WASTEWATER SYSTEMS AT A GLANCE

- **Total Wastewater Customers Served:** More than 65,000
- **Wastewater Treatment Facilities:** 20
- **Investment in Wastewater Systems:** \$68 million over the last five years
- **Lift Stations:** 36



## FOR MORE INFORMATION

Contact Nicholas T. DeVecchis, Manager, Business Development, 856-782-2374

# Examples of our expertise in managing wastewater systems in New Jersey

## Haddonfield Borough

New Jersey American Water purchased the Borough of Haddonfield's water and wastewater systems in 2015. The capital needs identified by the Borough, as well as additional improvements to the systems identified during our pre-acquisition inspection process were prioritized and included in the company's capital plan. At the time of the acquisition, New Jersey American Water committed to spending \$16 million in the first five years on needed improvements in the Borough's utility systems with \$6.5 million to be spent in the first 12 months. In the first two years after the acquisition (rather than five), all of the committed investments were made and more are being planned.



## Ocean City

New Jersey American Water provides sewer collection service to residents of Ocean City. The sewer collection system serves nearly 15,000 customers and includes approximately 78 miles of gravity sewer lines ranging in diameter from 6 to 27 inches, 7 miles of force mains ranging in diameter from 4 to 24 inches, 9 lift stations and 1,800 manholes. A thorough infiltration and inflow investigation and a condition-based assessment of the collection system were recently completed and over \$85 million of recommended improvement projects were identified. The implementation of a number of these projects has begun and the balance will be included in our 5-year capital plan according to their priority.

## Lakewood Township

This sewer collection system is located in the western part of Lakewood Township and serves approximately 11,000 accounts with a population of approximately 40,000. It is a rapidly developing area in Ocean County with new construction continuing in all directions from the core of the sewerage system. Wastewater is collected within five basins and then disposed of via five trunk lines to the 66-inch diameter interceptor sewer of the Ocean County Utilities Authority. The Lakewood system is comprised of approximately 95 miles of gravity sewer mains, 14 lift stations and 2,700 manholes. The oldest parts of the system date back to 1890.

## Adelphia Wastewater Collection System

This sewer collection system is located in Howell Township and is operated and maintained by our Lakewood management team. The system serves approximately 4,100 accounts with a population of approximately 7,900. Wastewater is collected and then disposed of via the Howell Township wastewater system and to the Ocean County Utilities Authority for treatment. The Lakewood system is comprised of approximately 27 miles of gravity sewer mains, two lift stations and 565 manholes.

## Statewide Wastewater Operation

In addition to the above systems, New Jersey American Water owns and operates an additional 21 wastewater systems in what is known as our "Statewide Wastewater Operation." These systems serve more than 10,000 customer connections via 91 miles of sewer main, 2,500 manholes and 20 wastewater treatment plants that treat and discharge a combined 3.6 million gallons of treated effluent per day. More than two-thirds is discharged to a surface water body.

The largest system within our Statewide Wastewater Operation is the Environmental Disposal Corporation ("EDC") system in Somerset County. This system provides wastewater collection and treatment for the residents of the Hills Development, a planned community located in Bedminster and Bernards Townships, serving 5,300 homes in 29 distinct developments with a contiguous collection system. In addition, the wastewater treatment plant provides bulk-wastewater treatment for three municipalities (Bedminster, Far Hills and Peapack-Gladstone). Placed in service in 1984, the EDC wastewater treatment plant has a design capacity of 2.1 MGD and today has a combined average flow of 1.4 MGD. The EDC collection system is comprised of approximately 35 miles of mains and 1,075 manholes.

## Elizabeth Water and Wastewater Systems (Managed under a Contract Operations agreement)

A subsidiary of New Jersey American Water entered into a 40-year contract with the City of Elizabeth in 1998 for the operation and maintenance (O&M) of the municipal water system. Four years later, a separate 20-year O&M contract for the City's wastewater system was signed. The wastewater system was nearly 150 years old and was experiencing many collapses due to aging clay pipe and brick manholes eroded by roadway salt. The company is responsible for the system's 190 miles of combined sewer mains with diameters from 8 to 72 inches, three sanitary sewer pump stations, six stormwater pump stations, 36 combined sewer outfalls with bar screens and over 75 netting facilities, inspection and cleaning of 3,248 catch basins every year, and the cleaning of the entire sewer system every five years. New Jersey American Water recently invested \$3 million to rehabilitate the brick sewer system.