

# INVESTED IN WESTERN PENNSYLVANIA

\$101 million upgrade for the region's water treatment facilities



PENNSYLVANIA  
AMERICAN WATER

Pennsylvania American Water is the largest regulated water service provider in the state, providing water and wastewater service to approximately 2.2 million people. Our more than 1,000 employees including water quality specialists, engineers, plant operators, meter readers, field service personnel and administrative support specialists carry out the company's foremost responsibility of providing high-quality, reliable water and wastewater service around the clock.

## Investing in Our Infrastructure

Pennsylvania American Water is embarking on an approximately \$101 million improvement project at the Hays Mine Water Treatment Plant, Becks Run Pumping Station, Arlington Booster Station and E.H. Aldrich Treatment Complex. Together, the facilities are capable of producing 110 million gallons of water per day. The company provides drinking water for a half million people in western Pennsylvania.

Pennsylvania American Water is committed to investing prudently in its water and wastewater facilities. These projects, which are some of the largest in the company's history, will be partially financed through the Pennsylvania Economic Development Financing Authority's tax-exempt program. Local contractors will comprise 80 percent of the workforce, with local suppliers also provided opportunities to participate in these projects.

## Meeting Future Regulatory Requirements

Pennsylvania American Water is making this investment to ensure that our drinking water continues to comply with all U.S. Environmental Protection Agency (EPA) drinking water standards. New EPA regulatory requirements will take effect in 2012, and the system upgrades will enable the company to meet these new requirements and improve its water treatment process.

These investments also will improve public safety at the Hays Mine Water Treatment Plant and E.H. Aldrich Treatment Complex. Pennsylvania American Water will be replacing gas chlorine with on-site liquid chlorine generation, which will address concerns associated with chlorine gas storage.

## Project Schedule

Pennsylvania American Water and its partner Kokosing Construction Company began construction on portions of these projects in mid-June 2010. Most of the new facilities will be in service by November 2011. The proposed completion of the Becks Run Clearwell is June 2012. Demolition of the pre-existing infrastructure is scheduled at the conclusion of these projects.

*Continued on reverse*

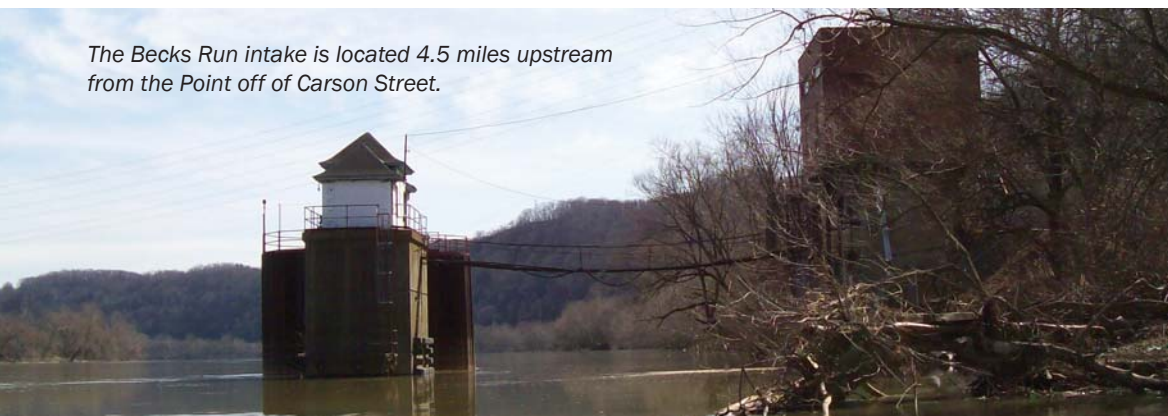


*The existing Becks Run raw water pump station was constructed in 1894 and has been upgraded numerous times.*

## Western Pennsylvania Facts at a Glance

- **Communities Served:** 173
- **Customers Served:** More than 291,000
- **Number of water treatment plants:** 12
- **Combined Treatment Plant Capacity:** Approx. 160 MGD (million gallons per day)
- **Combined Average Daily Delivery:** More than 103.6 MGD (million gallons per day)
- **2009 System Delivery:** More than 35.9 billion gallons
- **Miles of Pipeline:** More than 4,500
- **Hydrants:** More than 15,800

*The Becks Run intake is located 4.5 miles upstream from the Point off of Carson Street.*



**WE CARE ABOUT WATER. IT'S WHAT WE DO.**

## Project Work Hours

General project construction work hours are from 7 a.m. until 3:30 p.m. Some critical construction activities may require after hours work.

## Minimizing Inconveniences

Pennsylvania American Water is taking steps to minimize impacts or inconveniences associated with this project. Our contractors are working within the Allegheny County Department of Health and PA Department of Environmental Protection regulations for noise, dust and other construction-related byproducts. In addition, the company will be working with the PA Department of Transportation, the Allegheny County Department of Roads, the City of Pittsburgh and the local media when needed to communicate temporary traffic inconveniences.

## Investment Overview

Pennsylvania American Water will replace aging facilities that have reached the end of their useful lives, while improving service reliability and ensuring that our water complies with current and future EPA water quality regulations. Let's take a closer look at these investments:

### Hays Mine Water Treatment Plant & Becks Run Pumping Station

The Hays Mine Water Treatment Plant and Becks Run Pumping Stations were built at Pennsylvania American Water's inception as the South Pittsburgh Water Company in 1894. The Becks Run intake was constructed in 1905, delivering river water approximately two miles up Becks Run Road to the Hays Mine Station Water Treatment Plant. Prior to the company's newest investments, the facility has undergone numerous upgrades since its original construction.



*The Arlington Booster Station will be receiving new chemical storage and feed facilities.*

Pennsylvania American Water's current upgrades will replace infrastructure that has reached the end of its useful life and include the installation of:

- A new Monongahela River intake structure
- A new raw water pump station
- 3,000 feet of new 42-inch water main
- A new finished water storage and pump station structure
- New chemical feed facilities

The Hays Mine Treatment Plant is capable of producing 60 million gallons of water per day. The plant has been recognized by The Partnership for Safe Water, a national initiative developed by the EPA and the water industry, for "delivering water that not only meets drinking water standards but surpasses what is required by regulation, for five consecutive years."

### E.H Aldrich Treatment Complex & Arlington Booster Station

These facilities are critical to providing quality, reliable water service to our customers in Washington and Allegheny Counties. Each location will be receiving new chemical storage and feed facilities.

The E. H. Aldrich Treatment Complex was constructed in 1960 and is capable of delivering 50 million gallons of water per day to communities in southern Allegheny and northern Washington Counties. The plant also has been recognized by the EPA's Partnership for Safe Water with its Five-Year Award. The new chemical storage and feed facilities enable the complex to meet the new water quality regulations and address concerns associated with chlorine gas storage.

Located in the Arlington section of the City of Pittsburgh, the Arlington Booster Station helps pump water to key service areas and ensures fire protection when the Hays Mine Plant is unavailable during times of emergency.



*Outdoor tanks like this will be eliminated by the construction of new chemical feed buildings, which will improve safety and storage.*



## About Our Partner: Kokosing Construction Company

Pennsylvania American Water is partnering with Kokosing Construction Company, Inc. The company was founded in 1951 and has over 59 years' experience in building water and wastewater treatment plants, underground utility systems, institutional buildings, industrial and manufacturing plants, marine construction, and roads and bridges.

## For more information

If you have additional questions about these projects, please contact Kokosing's customer service at 1-877-856-3030.