

# INVESTED IN CLARION COUNTY

\$24 million wastewater investment project underway



At Pennsylvania American Water, we understand the importance of investing in our systems so that we can provide our customers with high-quality, reliable wastewater service. Several projects are taking place in your community.



## Wastewater treatment plant upgrades underway

As part of the \$24 million project, Pennsylvania American Water began construction on replacing and rehabilitating aged /undersized facilities, improving treatment and process control, and installing more energy-efficient equipment. The upgrades will result in improving the plant's performance, capacity and reliability.

### Improvements include:

- Installing a fine screen and grit removal system to ensure that plant effluent complies with environmental regulations.
- Upgrading the plant's sludge system, existing clarifiers, as

well as installing new aerators to improve treatment.

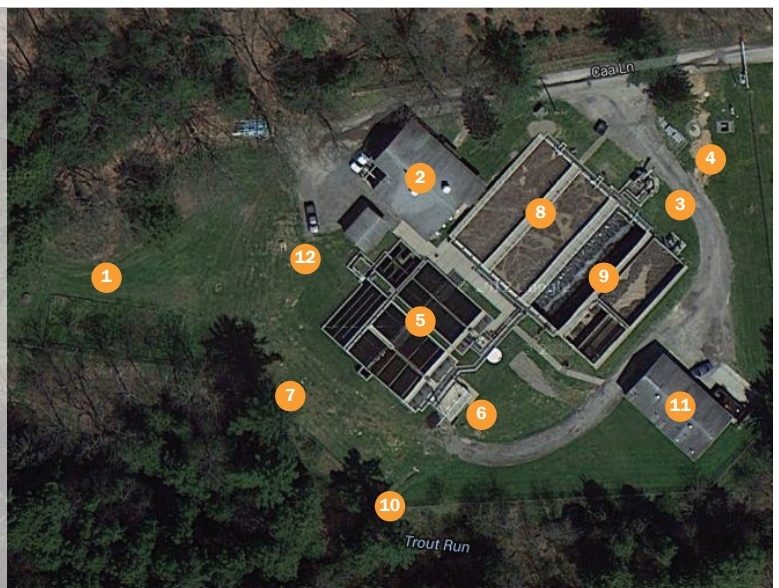
- Construction of a new lift station and wet weather tank, which will help to reduce sewer overflows during wet weather events. The overflow issues are caused by current undersized and aging plant infrastructure.

We will also be installing variable speed drive technology on process pumps and blowers, which automatically adjusts the speed of equipment based on need. As a result, the plant will be much more energy-efficient.

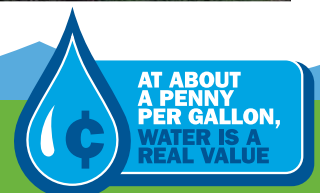
**Work hours:** 7 a.m. and 5 p.m., Monday through Friday.

## Wastewater Treatment Plant Project Status and Construction Timeline

- 1 Wet weather tanks:** Shoring and excavation started. Construction of foundation in early spring 2014, walls installed summer 2014.
- 2 Control building:** Electrical work has started. Construction to continue into winter 2014.
- 3 Headworks:** Chamber foundation has been poured. Construction to continue into summer 2014.
- 4 Influent flow diversion chamber:** Spring 2014
- 5 Clarification:** Spring 2014
- 6 RAS/WAS lift station:** Spring 2014
- 7 Wet weather lift station:** Summer 2014
- 8 Aeration:** Summer 2014
- 9 Sludge digestion:** Summer 2014
- 10 Plant drain lift station:** Summer 2014
- 11 Belt filter press building:** Summer 2014
- 12 Vehicle storage building:** Fall 2014



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Construction underway on the foundation of the new Liberty lift station.

## Liberty Lift Station Improvements

Pennsylvania American Water will also be completing \$4.5 million in improvements at its Liberty Lift Station site. As part of the project, we're replacing approximately 2,200 feet of pipeline leading into and out of the lift station to increase capacity within the collection system. Work has begun on building a new lift station and 1.3-million gallon tank. These improvements will help to reduce sewer overflows during wet weather events. Weather permitting, the project will be completed in the fall of 2014.

**Work hours:** 7 a.m. and 5 p.m., Monday through Friday.



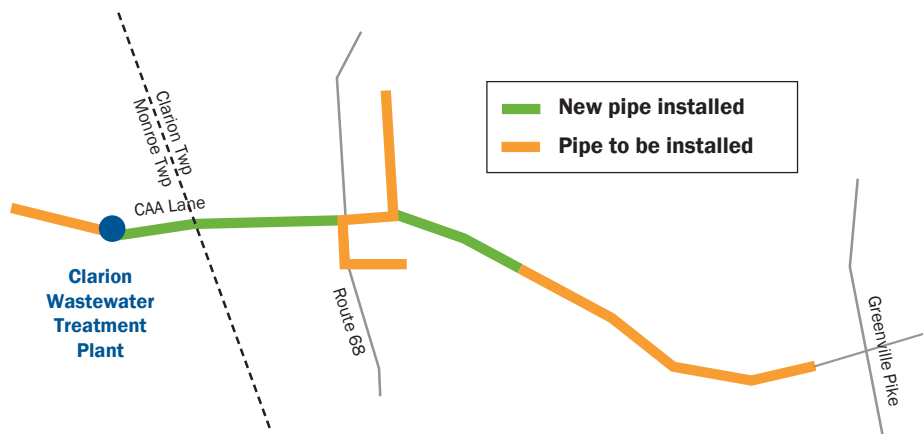
Liberty lift station prior to construction



## Collection System Improvements

Pennsylvania American Water's contractor Kukurin Contracting started construction on replacing approximately 5,500 feet of 8- to 36-inch sewer pipe to increase the capacity within the collection system. Weather permitting, the \$1.8 million project will be completed by summer 2014.

**Work hours:** 7 a.m. and 5 p.m., Monday through Friday.



## Questions?

Your safety, as well as the safety of your neighbors and our workers is important to us! If you have any questions or concerns about this project, please contact Jim DeSantis at 814-226-9089, ext. 4303, weekdays between the hours of 7 a.m. and 3 p.m. After hours: Please contact our Customer Service Center at 1-800-565-7292.



## Sewer Line Extension Project to serve school district

Pennsylvania American Water will be extending sewer service to the Clarion-Limestone School District. The \$4.5 million project involves installing approximately six miles of sewer main and two lift stations to serve the school district and a number of malfunctioning residential on-lot septic systems along the extension corridor. The project is well underway. Mealy Construction installed over 30,000 feet of six- and eight-inch sewer main (shown in green on the diagram above).

The final phase involves installing approximately 3,500 feet of six-inch sewer main along Greenville Pike and constructing the two proposed lift stations.

Weather permitting, this improvement project will be completed by the summer of 2014.

**Work Hours:** 7 a.m. and 5 p.m., Monday through Friday.



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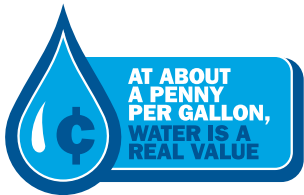
## Clarion District Facts at a Glance

- **Communities Served:**  
12 communities
- **Customers Served:**  
Approximately 4,200 water and 2,200 wastewater customers
- **Source of Water Supply:**  
Clarion River
- **Water Treatment Capacity:**  
4 million gallons per day (MGD)
- **Miles of Pipeline:**  
Approximately 153 miles of water main and sewer collection pipelines
- **Storage Capacity:**  
4 tanks with combined 1.6 million gallons of capacity
- **Employees:** 14
- **Partnership for Safe Water Directors Awards Received:**  
Clarion Water Treatment Plant received the 10-year directors award from the US EPA Partnership for Safe Water



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**On the cover:** Clarion wastewater treatment plant construction underway. **Inset:** Treatment plant pre-construction.



**See inside and learn more about the progress we're making to address sewer overflows and improve your wastewater system.**



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