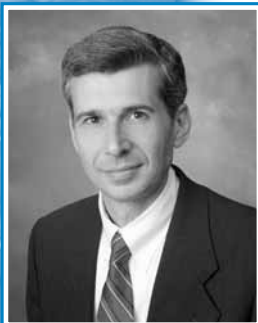


WATER BREAK

With Tony Bellitto - Executive Director NPWA



The Forest Park Water Treatment Plant in Chalfont, jointly owned and operated by North Penn and North Wales Water Authorities, supplies about 80% of all the water used by our customers. The plant treats water from Lake Galena, which receives stream flow from the North Branch Neshaminy Creek, and is further supplemented about 6 months of the year with water pumped out of the Delaware River at Point Pleasant.

The Authorities will be completing a multi-faceted capital improvement project at the treatment plant this summer. Part of the project is to expand the plant capacity from 30 million gallons per day (MGD) to 40 MGD. This increased capacity is needed to keep up with the growing water demands in our area. Another critical component of the expansion project is the installation of new treatment methodology. The heart of this retrofit is new membrane fiber technology which will replace the old sand filter beds. Also, new high rate settling plates have been installed in the sedimentation basins. These changes will advance the treatment process, and will make certain that future, more stringent federal and state water quality regulations are met without difficulty. This new technology will ensure that the treatment plant continues to be a modern state-of-the-art facility. A third component of the expansion project includes additional security measures at the plant, so that it remains as well protected as possible.

The combination of these improvements to the Forest Park Water Treatment Plant will ensure that the customers of the North Penn and North Wales Water Authorities continue to receive the highest quality water possible for many years to come.

After Hours Emergency Number: 215-855-9945

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WATER CURRENTS

NORTH PENN WATER AUTHORITY QUARTERLY NEWSLETTER - 2007 Volume 8/No. 2

WATER STATS

Delaware River Basin Water Daily Storage*

(as of March 30, 2007)

Average Daily Water Storage

Percent above Average

277.5 billion gallons

257.3 billion gallons

7.88%

Rainfall

(expressed as inches)

January 2007 thru March 2007

20 Year Average for January thru March

6.59"

8.75"

*Source: www.state.nj.us/drbc/data.htm

NPWA TOPICS:

WATER BREAK

- Forest Park Water Treatment Plant

WATER STATS

WATER NEWS

- Source Water Protection

(HHW) HOUSEHOLD HAZARDOUS WASTE DROP-OFF PROGRAM

- Protect the Community



WATER NEWS

Source Water Protection

The North Penn Water Authority, with the help of a grant from the Department of Environmental Protection, is developing a plan that will protect the groundwater that supplies Authority wells. The engineering firm of Spotts, Stevens and McCoy has been selected to assist with this important project.

The purpose of wellhead protection is to prevent contamination of the groundwater supply. Even though new technology can remove most of the contaminants from groundwater, it is much more costly to treat the water than to protect it in the first place. Although wells represent about 20% of the Authority's total water usage, they are still a critical component of the overall system supply.

The wellhead protection plan consists of several tasks. The study will first utilize a computerized groundwater model to precisely identify the land areas around wells, and the underground geologic layers, that are within the pumping zones of influence. This will delineate precisely how water travels to each of the Authority's wells. The completed model will define the areas that contribute groundwater flow to the wells and thus require the highest protection. The study will also identify potential sources of contamination in the vicinity of those wells. Management strategies to prevent contamination of the groundwater will be reviewed. Implementation of such contingency planning could involve revisions to local land use practices, if necessary, to protect the integrity of the groundwater supply.



Well House

In 2006, the Authority made considerable progress on the Pennridge portion of the service area, which includes wells in East Rockhill and New Britain. The study has been a joint effort with neighboring water authorities and municipalities in Bucks County. In 2007, the Authority embarked on an identical, but separate, multi-year study of the Montgomery County portion of the service area, where most of the Authority's wells are located. At the end of both projects, North Penn Water Authority will have a DEP-approved wellhead protection plan that will enable the Authority to better protect the groundwater.

Because the Authority uses a combination of groundwater and surface water to supply customers, efforts to protect both areas of supply are on-going. The Authority works with the North Branch Watershed Association to protect its surface water supply, and also participates with various other groups to educate the public about source water protection. In addition, new technology implemented to treat the Authority's surface water supply at the Forest Park Water (FPW) Treatment Plant will ensure Authority customers continue to receive a high-quality product. More information on the capital improvement project underway at the FPW Treatment Plant is contained in the Water Break section of this newsletter.

HOUSEHOLD HAZARDOUS WASTE (HHW) DROP-OFF PROGRAM

When cleaning out garages, basements, attics, or storage closets, help protect the community watershed by properly disposing of household hazardous materials. In Montgomery County, HHW collection sites, which also will accept computer electronics, will be at the following locations from 9 a.m. to 3 p.m.:

May 26	Hatboro-Horsham High School - 899 Horsham Road, Horsham
June 30	Norristown Area High School - 1900 Eagle Drive, Norristown
August 11	Perkiomen Valley Middle School - 100 Kagey Road, Collegetown
October 27	Lower Merion Transfer Station - 1300 Woodbine Ave., Lower Merion

Among the products that may be recycled are used motor oil, brake fluid, gasoline, rug cleaner, drain and oven cleaner, dyes, swimming pool chemicals, paint remover and oil-based paint. More information can be obtained by calling the Montgomery County HHW & Recycling hotline at (610) 278-3618, browsing the Waste System Authority website www.wsaemc.org and clicking on the "Recycling and HHW Collections" link, or by calling the Authority office.

