City of Portsmouth

Department of Public Works

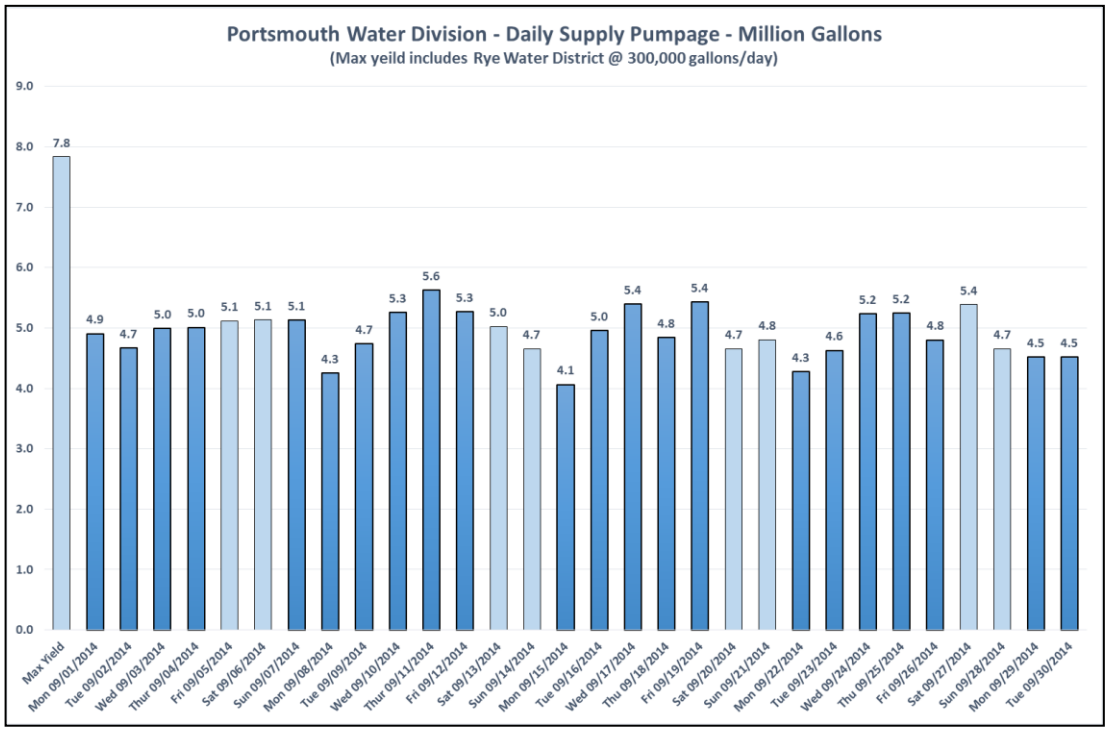
October 15, 2014

Pease International Tradeport Water System Update

The following update is for the September 2014 timeframe:

Water System Operations

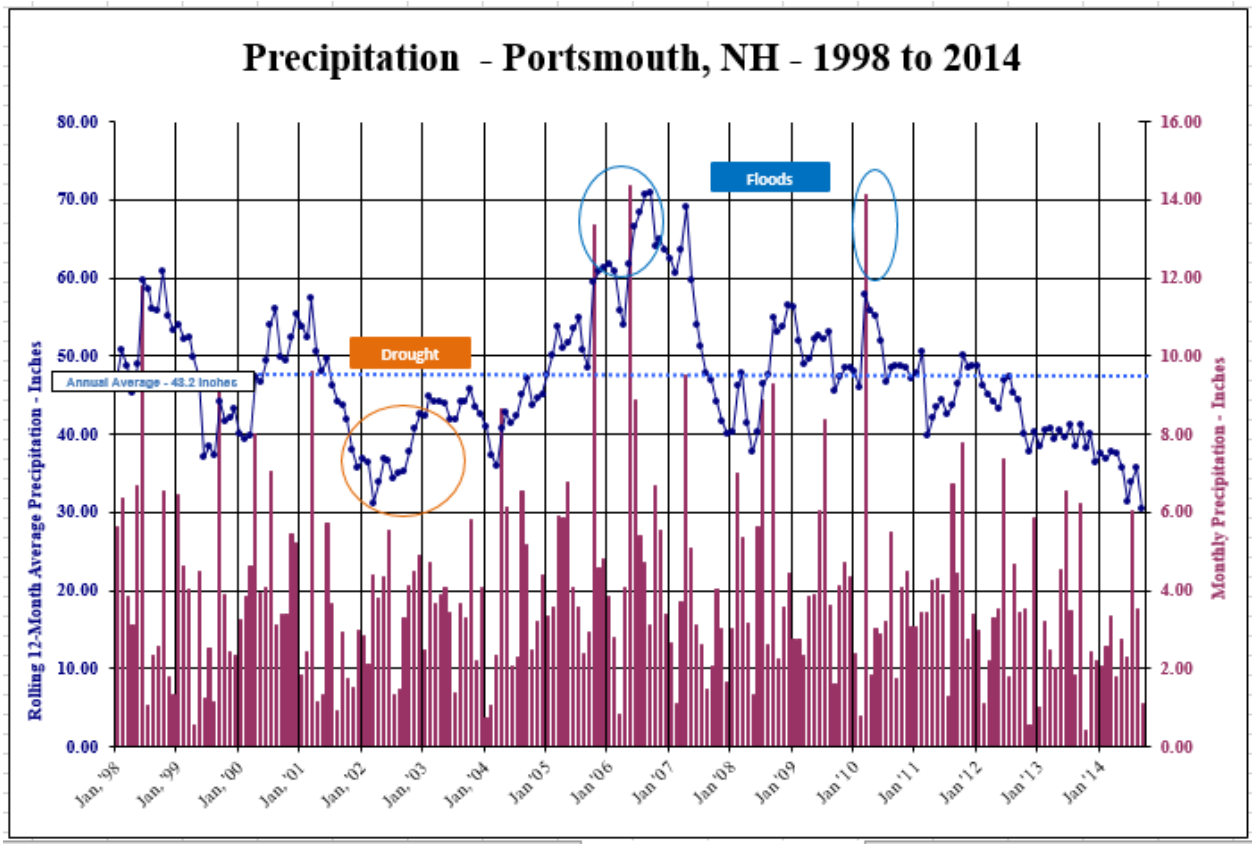
The Pease Water System water demands are currently being met by supply from the other two Pease wells, the Harrison and Smith wells, supplemented by water boosted from the City of Portsmouth pressure zone. Overall water system demands for the combined Pease/Portsmouth water system have been met by the combined resources of the system's surface water supply and eight other wells. System operators continue to track water system demands on a daily basis to assure that our supply meets demand. The following graphic provides a summary of the September 2014 water system pumpage:



Department of Public Works
680 Peverly Hill Road
Portsmouth, New Hampshire 03801

Weather and Precipitation Data

Our water system managers not only track daily and monthly water supply trends. They also watch the weather closely and track precipitation to assess potential supply deficits in the coming months. The summer of 2014 was fairly dry, with only a few storms supplying the largest portion of the rainfall that occurred on the seacoast. However, they came at intervals that kept lawns and other plants green. Additionally, there were no extended hot periods. Both of these factors kept water demand from increasing substantially. The following graph shows monthly and 12-month rolling average precipitation for Portsmouth since 1998. The 12-month trend highlights that the Seacoast area is approaching similar conditions as were experienced during the 2001/2002 drought. The current U.S. Drought Monitor for New Hampshire lists the Seacoast area as "abnormally dry." A normal fall and winter should help this trend, but if conditions continue to be dryer than normal efforts to encourage water efficiency next summer may be necessary.



Water Quality Monitoring

The Air Force's consultant has been performing continual sampling of the water supply wells in the system near the Haven Well. In addition to the water supply wells, the Air Force's consultant is sampling other monitoring wells in the surrounding area to track the aquifer and monitor for any PFCs moving toward the supply wells. To date, all detected levels of PFCs of the

surrounding area remain below the provisionary health standards. The attached data provides the sample results to date.

A meeting was held at the Pease offices of the New Hampshire Department of Environmental Services on September 17, 2014. The response team consisting of the City of Portsmouth, Pease Development Authority, Weston & Sampson (City's technical consultant), AMEC (Air Force's consultant), NHDES, EPA, Air Force and Health officials all met to discuss the progress of the monitoring and assessment of the contamination. The Air Force is currently working with AMEC to further identify the source areas where the PFC contamination is likely to be present in the highest concentrations. They are also working on installing additional monitoring wells in the aquifer to develop a profile of the contaminant zone so they can better assess the potential for it to travel beyond the Haven Well area.

Replacement of the Haven Well Supply

The City has recently signed a Memorandum of Agreement with the Air Force regarding the next steps toward replacing the Haven Well water supply. The Air Force has agreed to fund the cost of preliminary hydrogeologic studies of potential new well sites to replace the volume previously obtained from the Haven Well. Currently there are three areas that will be pursued that were identified in the City's 2009 hydrogeological assessment of potential well sites. These areas are all in the water system's service territory and are in Portsmouth, Greenland and Madbury. Further information will be provided once landowner access has been obtained and the assessments have commenced.

Further Updates and Information

The City and the Air Force intend to provide additional monthly updates. This information will be distributed electronically on the City of Portsmouth's website in the Department of Public Work's "Water" section. If anyone needs additional information or has questions contact Brian Goetz, Deputy Director of Public Works at 766-1420.