

Potomac Water Supply Program

March 2016 Update



The purpose of this update is to periodically inform residents of upcoming construction activities within and adjacent to their communities that are related to Loudoun Water's Potomac Water Supply Program (PWSP).

The PWSP is needed to meet future water demands in Loudoun County. The Program consists of several project elements including the Raw Water Intake and Potomac Raw Water Pumping Station (RWI/PRWPS), the Raw Water Transmission Main (RWT), and the Trap Rock Water Treatment Facility (TRWTF). Specific information about each of these projects is provided below.

Raw Water Intake and Potomac Raw Water Pumping Station

A new raw water intake structure in the Potomac River and a new raw water pumping station are under construction on Loudoun Water property located adjacent to the Town of Leesburg's Kenneth B. Rollins Water Filtration Plant. Since the property is located on a bluff, the structures require the construction of a 100-foot deep shaft and a 200-foot long tunnel to the Potomac River. The pumping station building was designed with the surrounding community in mind. The building architecture resembles a residential building rather than an industrial building. Engineering controls have been designed to minimize the noise generated by the equipment within the building.

Loudoun Water contracted with PC Construction to perform the construction work under the direct supervision of Loudoun Water and their Construction Management team. Construction began in Spring of 2014.



Pumping Station

PC Construction continues to focus on concrete placement, pipe installation and structural work at the pump station, tunnel, shaft and river bank vault.

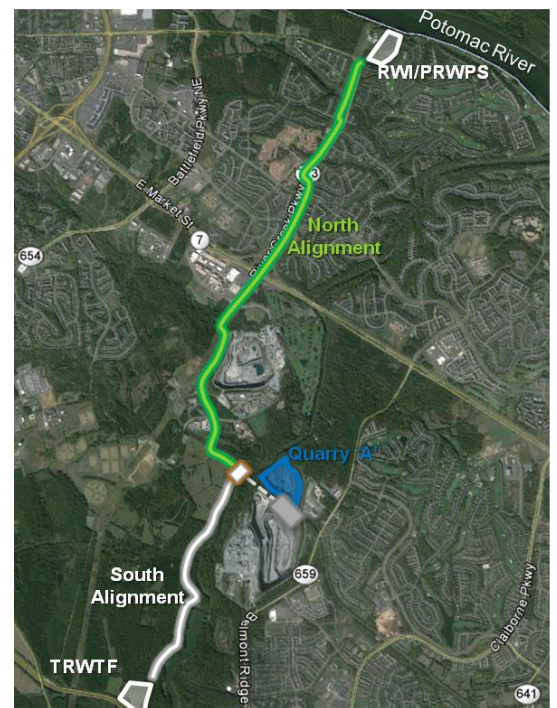
Construction is scheduled to be completed in 2016 with start up and commissioning of the facilities in 2017.

Raw Water Transmission Main

Loudoun Water's Raw Water Transmission Project consists of 27,000 linear feet of water main and other related appurtenances. The prime Contractor performing the work is Garney Companies, Inc. To date, Garney has installed about 24,000 feet of pipe. All boring under roads is complete. The current focus of activities is installing pipe on the northern alignment north of Route 7. Fiber optic equipment will be installed adjacent to the Raw Water Line in the Spring of 2016.

During construction in the area north of Route 7, construction vehicles will travel along River Creek Parkway and Edwards Ferry Road and will enter construction areas along the water main alignment as well as the pump station site through the Leesburg water treatment plant. A travel lane of River Creek Parkway and the pedestrian trail between Northlake Blvd. and Belleville Dr NE will be closed for periods during the construction. Signs are being posted and controls are being put in place to route traffic around the construction area. The pedestrian trail on the north side of Riverside Parkway will be closed during construction activities in that area as well.

Much of the construction south of Route 7 will be accessed off Cochran Mill



RWT Alignment

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Road, south of the W&OD Trail, and via the new Trap Rock Water Treatment Facility. The construction area in and around Route 7 itself will be accessed off Route 7 and off Russell Branch Parkway near its intersection with Crosstrail Blvd. Construction of the RWT will be completed in 2016 with startup and commissioning in 2017.

Trap Rock Water Treatment Facility

The TRWTF is located just north of the Dulles Greenway and west of Goose Creek. The facility is being constructed on a fifty acre parcel owned by Loudoun Water. Only twelve acres of the parcel are being developed for the Treatment Facilities. The remaining acres will be left in their natural state and will be protected from future development. The Administration Building for the TRWTF will be built to LEED Gold standards, emphasizing Loudoun Water's commitment to environmental sustainability. Construction activities at the TRWTF began in May 2014 and are scheduled to be complete in 2017.

Construction of the TRWTF includes a Finished Water Transmission Main (FWTM) and a Sanitary Sewer Force Main (SSFM). These two offsite elements of the PWSP are being constructed on the east side of Goose Creek along the Dulles Greenway and Belmont Ridge Road. Construction of the FWTM includes 5,200 feet of 42" pipe and construction of the SSFM will include 10,900 feet of 12" pipe. To date, about half of the SSFM and FWTM have been installed.

During construction of the FWTM and the SSFM, residents can expect to see construction vehicles entering and exiting the construction areas along Sycolin Road and Belmont Ridge Road. The work will include easement clearing, excavation, pipe installation, and restoration work. Easement clearing and blasting along the FWTM and SSFM are complete. Construction includes several tunnels under roads to minimize impacts to traffic during construction.



Construction Progress at the TRWTF

Loudoun Water has contracted with PC Construction to construct the TRWTF, FWTM and SSFM, which are scheduled to be operational in 2017. Residents should use caution around areas of construction. Noise and dust will be minimized to the greatest extent possible. Erosion, sediment controls, and restoration will be in compliance with all required regulations. Updates will be provided to stakeholders as the construction progresses.

Thank you for your patience and cooperation during the construction of these important water supply projects.

This update, along with other information about the Potomac Water Supply Program, can be found at the website below:
<https://www.loudounwater.org/current-projects/potomac-water-supply-program>

Please direct any questions or concerns related to the overall PWSP to **Nicolle Boulay** at 571-291-7745 or by e-mail at nboulay@loudounwater.org.

Please direct any questions or concerns related to the RWI/PRWPS to **Raghavender Joshi** at 571-291-7788 or by e-mail at rjoshi@loudounwater.org.

Please direct any questions or concerns related to the RWT to **Susan Blackburn** at 571-291-1043 or by e-mail at sblackburn@loudounwater.org.

Please direct any questions or concerns related to the TRWTF, FWT and SSFM to **Gerardo Castaneda** at 571-291-6503 or by email at gcastaneda@loudounwater.org.