

**NORTH ALAMO WATER
SUPPLY CORPORATION**

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2019 Newsletter

Dear North Alamo Water Member:

As the Rio Grande Valley continues to grow so does NAWSC. We saw an increase in both drinking water, also known as potable water, and wastewater services. Demand for potable water grew at a rate of 2.36 percent for a total of 47,379 connections in 2018. This represents a population of approximately 190,000. At the wastewater side, service experienced a substantial growth of 8.2 percent for a total of 4,295 connections in 2018.

In this newsletter, you'll read about some of the projects we have completed and some that are still in the planning stages with an eye to the future. We are also pleased to share that we are participating in a nanotechnology study that may result in cost savings not only for NAWSC, but for the water industry as a whole.

Right around the corner is our annual membership meeting on Tuesday, March 26. We extend a warm invitation to all NAWSC members and hope to see you there.

On behalf of everyone at North Alamo Water Supply Corp., we wish you and your family good health and good fortune in the coming year.

**The NAWSC Board of Directors
announces the annual
Membership Meeting
7 p.m. Tuesday, March 26, 2019
420 S. Doolittle Road, Edinburg**

All NAWSC members are invited
& encouraged to attend



The Donna Regional Wastewater Treatment Plant became operational May 5.

Wastewater plant serves areas north of Donna, Alamo, San Juan, and community of San Carlos

The Donna Regional Wastewater Treatment Plant, located near North Donna High School, went online May 5.

The new plant provides first-time sewage services to 400 homes in the following subdivisions located north of Donna: Isaac, Muniz, El Jay, Tower Estates, El Charro 2, and Alberta Acres. The plant also serves areas of Alamo, San Juan, and the community of San Carlos.

The facility treats 500,000 gallons of sewage per day. Also completed were four lift stations along Tower Road to transport wastewater from homes to the treatment plant.

The project was funded by a \$9.8 million grant/loan by the Economically

Distressed Areas Program, administered by the Texas Water Development Board, and a \$2 million grant by the Border Environment Infrastructure Fund, provided by the U.S.

Environmental Protection Agency. The majority of the home connections are being funded by a \$1 million grant from the Texas Department of Agriculture in conjunction with Hidalgo County Urban County Program.



Lift Station D, located on Tower Road, lifts sewage from a low-lying area to a higher elevation so it can continue its flow to the treatment plant.

Study concludes nanotechnology could save energy

A study found that nanofiltration could significantly reduce the amount of electricity used by NAWSC to treat brackish, or salty, groundwater. Desalination, the process to remove salts and other minerals, is energy intensive. Engineering firm Freese and Nichols Inc. evaluated energy-efficient alternatives for brackish groundwater desalination plants and found that nanofiltration membranes could reduce their energy consumption by as much as half.

(Story continued on page 2)

Study (continued from p. 1)

NAWSC owns and operates four brackish groundwater desalination plants and co-operates a fifth, making it the operator with the most desalination facilities in Texas.

With water demand expected to double over the next 50 years in the Rio Grande Valley, NAWSC sought to improve the operation of its brackish groundwater desalination, increase its desalination production capacity, and reduce the cost burden on customers.

The modeling and analyses for the study found that replacing reverse osmosis membranes with nanofiltration membranes at two facilities would cut desalination energy use by 52.2 percent at one plant and 49.8 percent at the other.

“To test the feasibility of nanomembranes, North Alamo Water is considering a pilot project at a cost of \$100,000,” said Steven P. Sanchez, NAWSC general manager. “The results would be used to determine if nanotechnology will be installed in existing and future water treatment plants.”

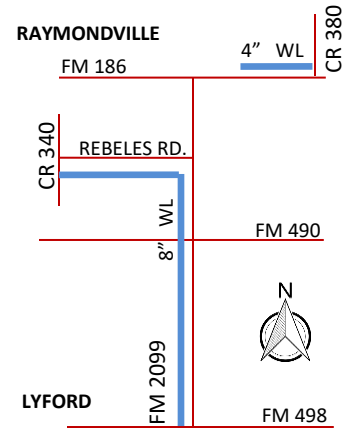
The study received funding from the U.S. Bureau of Reclamation, NAWSC, Brownsville Public Utilities Board, and McAllen Public Utility. Freese and Nichols Inc. also contributed research and development for the project.

Wastewater treatment plant to be built north of Weslaco

NAWSC is in the process of bidding out a wastewater treatment plant and collection system to be constructed north of Weslaco on FM 1015 and Mile 12 North. The plant will process 700,000 million gallons per day of raw sewer and will service more than 698 dwellings. The \$13.8 million project will include the construction of gravity lines, three lift stations, services, yardlines, and the decommissioning of home septic tanks.

Projects to improve water service to Willacy County

NAWSC is preparing plans and specifications to construct waterlines and make pump improvements to Stillman No. 4 Booster Station that will increase pressure and water flow in northern Willacy County. A new 8-inch waterline will be installed along FM 2099 from FM 498 to Rebeles Road where it will go west to connect to an existing 4-inch waterline on County Road 340. Also, a new 4-inch waterline will be installed parallel to FM 186. The estimated project cost is \$658,000.



Water tower being built at Edinburg High School

A 1.0 million gallon elevated composite water tank is being built along Wisconsin Road west of Raul Longoria Road within Edinburg High School property. After the completion of the concrete pedestal in February, the steel tank will be constructed. The \$2.2 million project is anticipated to be complete by August.

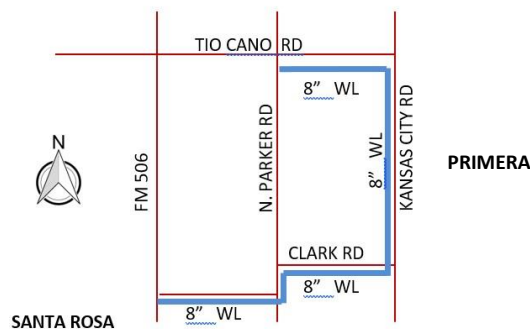


Delta Area reservoir under construction

A reservoir is being built for the Delta Area Regional Water Treatment Plant, which is located north of Edcouch along FM 1925. The reservoir will have a storage capacity of 130 million gallons of raw water. The \$2.9 million project is anticipated to be complete by October.

Santa Rosa \$415,000 waterline project underway

North Alamo Water is currently preparing plans and specifications for the construction of an 8-inch waterline to be installed along Tio Cano, Kansas City, and Clark roads in the rural community of Santa Rosa. The \$425,000 project boundaries begin on Parker Road, go east toward Kansas City Road turn south along Kansas City toward Clark Road and west to FM 506 (Dukes Highway).

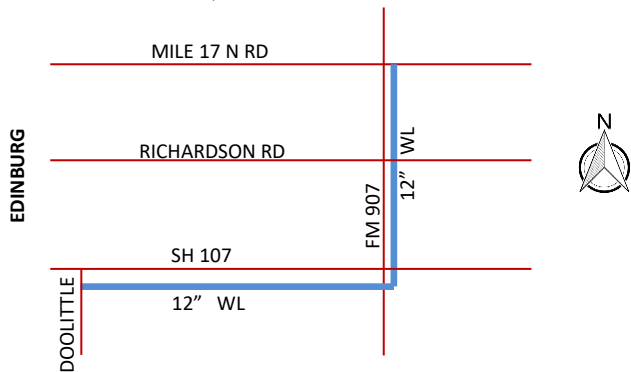


Can I pay online if my account is delinquent?

Yes. But keep in mind that if you pay a late bill online you may be at risk of getting disconnected. Immediately after making an online payment, call NAWSC, 956-383-1618, to provide your payment confirmation number to prevent interruption of service.

Economedes waterline almost finished

A 12-inch waterline will be constructed in Edinburg to improve water flow and help maintain pressure in the area around Economedes High School. The route will begin on Doolittle Road and go east along SH 107 toward FM 907, then proceed north along FM 907 to Mile 17 North Road. It is anticipated the project will bid in the spring with estimated cost of \$635,000.



Storage tank built at Owassa facility

A 2.0 million gallon ground storage tank was built at Water Treatment Plant No. 4, located along Owassa and Cesar Chavez roads. The tank will increase the storage capacity at this facility to 2.5 million gallons of potable water. The cost for the project was nearly \$2 million.



Waterline being built on Monte Cristo

NAWSC is installing a 12-inch PVC waterline along FM 1925 from Brushline Road to FM 493. Also, under construction is a 16-inch waterline along Mile 2 West Road from Mile 12½ North Road to Mile 15½ North Road. The project is anticipated to be completed by June. The cost for the project is \$983,695.

Thank you

The Board of Directors, management, and employees at North Alamo Water Supply Corp. appreciate your support. We look forward to serving you in 2019 and for many years to come.

Sincerely,

Steven P. Sanchez, General Manager
North Alamo Water Supply Corporation

Career opportunities available!

We are currently looking for motivated and self-starting individuals to join our TEAM! If this sounds like you, look no further!

We offer a competitive benefits package to include employer-paid insurance coverage for all full-time employees (medical, dental, vision, and life) along with many supplementary insurance policies and additional benefits. We also have a competitive 401(K) retirement program!

Take a look at our current employment opportunities online at <https://www.nawsc.com/career-opportunities/>. When you're ready, simply download a copy of the Employment Application and submit the completed form to our Human Resource Department via email at HRDept@nawsc.com or in person at our corporate office at 420 S. Doolittle Road in Edinburg.

NAWSC is an Equal Opportunity Employer.

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