



MORRO RESERVOIR PROJECT AWARD

The Rainbow Municipal Water District's (RMWD) Morro Reservoir Rehabilitation Project (2010-2012), performed by Hilts Consulting Group of Yorba Linda, CA, was selected for the inaugural Fabricated Geomembrane Engineering Innovation Award in 2016. The award was presented by the Fabricated Geomembrane Institute at the University of Illinois at its annual membership meeting in Miami Beach, Florida, in early May of last year. The award is given to recognize engineers who have creatively used fabricated geomembranes to successfully fulfill a client's need, including technical, scheduling and budget requirements.

The project was required to comply with the Safe Drinking Water Act, which in general requires the reservoir to be covered or provide treatment on the reservoir outlet. The floating cover construction was slightly more than \$8 million. As part of the same project, RMWD also decided to upgrade the reservoir liner to further protect the potable water. A composite geomembrane liner was installed to reduce seepage of water through the bottom of the reservoir. The liner also enhances the maximum allowable drawdown rate for the reservoir.

The Morro Reservoir was originally constructed in 1964 and has a maximum storage capacity of 151 million gallons with a 12.5-acre surface area. The floating flexible cover protects the drinking water quality, provides a barrier to wind driven contaminants, reduces evaporation, and reduces overall use of chemicals. It is equipped with access hatches, automated drainage system to remove rain water as well as automatic pumps and blowers to remove air trapped between the cover and water surface.

This project is an example of RMWD's commitment to its rate payers to provide both a safe supply of quality water and efforts to increase efficiency of its infrastructure. These efforts help the district to keep rates at the lowest possible levels.

COME SEE US AT THE AVOCADO FESTIVAL

Rainbow MWD is pleased to announce that we have secured a booth at this year's Fallbrook Avocado Festival. This annual celebration held in downtown Fallbrook reveres the importance of the avocado and the crops in and surrounding the Fallbrook area. As the water provider to many of these groves we are delighted to be a part of these festivities and show our support to the local communities. Some of our staff and dedicated volunteers will be on-hand to answer questions and giving away informational items and fun prizes. Please stop by and say hello.

**RAINBOW
MUNICIPAL
WATER
DISTRICT**

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FEATURE SPOTLIGHT
HORSE CREEK PIPELINE

The Horse Ridge Creek Development east of Interstate 15 on Horse Ranch Creek Road is currently underway. The development consists of 751 homes and a sports complex. The developer D.R. Horton is building the water and wastewater pipelines and a sewer lift station that will serve this community.

As you may have noticed lines on either side of SR 76 the potable and wastewater lines that are being fused in preparation for being bored under Horse Creek. This will ultimately connect the development with the Rainbow MWD water and sewer infrastructure in the interchange bridge.

The pictures below, from left to right, are a close-up of the fusing machine used to meld together the fusible polyvinyl chloride (FPVC) pipe, a demonstration of a crane putting another piece of pipe in place to be fused and a shot looking west of the pipe alongside the Northside of SR 76.



NEW BOARD MEMBER SELECTED FOR DIVISION 3

At the February 28, 2017, Regular Board Meeting the RMWD Board of Directors appointed a new board member. Mr. Miguel Gasca was nominated to serve the constituents of the District's Division 3 which is in the eastern portion of the Fallbrook area near Reche Road north of Pala Mesa Resort.

Mr. Gasca comes to the District with several years of prior experience serving on a Water District Board and spent 3 of his two, 4-year terms on the Board of Running Springs Water District as the President. Mr. Gasca also served at various levels for a prime aerospace company ranging from Staff Engineer to System Integration Manager.

Mr. Gasca after retiring in 2009, formed a company of senior scientists and engineers providing mentoring for younger engineers and assisting in reconstituting the industrial base serving the US Air Force.

Rainbow MWD is thrilled to have Mr. Gasca on the board and will greatly benefit from his experience and knowledge of the water and wastewater industry.