



LEUCADIA
WASTEWATER
DISTRICT

LEADERS IN
ENVIRONMENTAL
PROTECTION

LWD Leadership

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Downstream

Winter 2018 Newsletter

Are you ready for a **NATURAL DISASTER?**

Natural disasters occur when you least expect them.

For this reason, we take proactive steps to prepare for and mitigate damage to our facilities from a wide range of unexpected disasters. During 2015, we developed a Hazard Preparedness and Mitigation Plan. This plan identified potential natural disasters that may occur in our local area, analyzed the possible impacts on our facilities, and provided strategies for preparing for and managing each specific disaster.

There are a number of ways our staff prepares for the worst. Earthquakes are one of the potential disasters we could face. With this in mind, we recently added flexible joints and supports to one of our sewer force mains near

the Batiquitos Lagoon. This section of pipe hangs from the bridge that crosses the railroad line. We also installed a redundant force main to utilize in case there is damage to one of the other parallel force mains.

Active drills, coordination, and preparation with other local agencies keep our field services and management staff ready to respond to emergencies. We recently partnered with the Encina Wastewater Authority and the cities of Carlsbad and Encinitas to simulate a response to a sewer spill caused by a natural disaster. This level of coordination and joint training helps ensure that if there is a disaster, we can quickly and effectively mobilize to protect our local beaches and lagoons from sewer spills.

What's so Special about Special Districts?

For over 100 years, special districts like Leucadia Wastewater District have been enhancing the lives of Californians by providing essential services to their communities. With over 2,000 special districts in our state, these local public agencies play a critical role in protecting our natural resources and the environment by providing necessary services like water, fire protection, public safety, wastewater treatment, mosquito abatement, cemetery management, and garbage removal. Unlike cities or counties, which provide a broad array of services, special districts typically focus on one or two services. What does this mean for our customers? A higher level of customer service at a competitive service rate for that single focused service. You may not realize this, but the Leucadia Wastewater District is one of these special districts that collects, treats, and recycles your wastewater. As your public sewer service provider, we provide this service at one of the lowest rates in San Diego County.

Another fact about special districts is that they are directly accountable to their voters and ratepayers. Customers of special districts, like yourself, can vote for the board members that represent your community. Special districts hold board meetings that are open to the public and welcome public participation. As a customer of ours, we invite and encourage you to attend our monthly board meetings which occur on the second Wednesday of each month at 5PM. Please check our website for more information about our meetings.

We are one of your local special districts that help safeguard our community, work arduously to keep families healthy, and help our state thrive. To learn more about special districts, visit the California Special District Association website at www.csd.net or the Districts Make the Difference website at www.districtsmakethedifference.org

Partnering with Other Government Agencies to Help Reduce Costs

The San Diego Association of Governments (SANDAG) and the North County Transit District (NCTD) will construct an underground passenger tunnel to link both sides of the passenger platform at the Poinsettia Train Station in Carlsbad. To accomplish this, the train tracks will be shifted to the west. Since one of our pipelines runs under the train tracks, this project provided us with an opportunity to partner with SANDAG and NCTD. We will be reinforcing the existing pipeline and constructing a second pipeline under the train tracks. This will provide redundancy in the case of an emergency, enhancing our ability to protect the environment in that area. SANDAG and NCTD already have the necessary environmental permits for this project, therefore partnering with them on this project saves the District considerable time and money.

2000
SPECIAL DISTRICTS
in California
63 in San Diego
County

**ATTEND THE NEXT
LWD BOARD MEETING**
Check Facebook events
[@leucadiawastewaterdistrict](https://www.facebook.com/leucadiawastewaterdistrict)
and www.lwwd.org

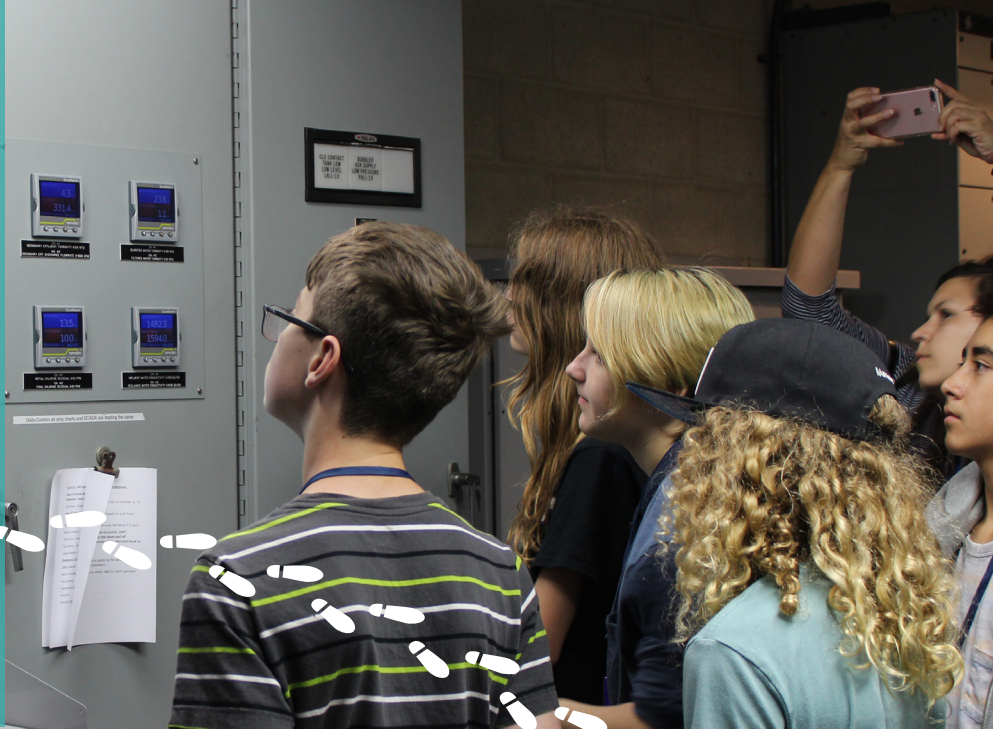


Poinsettia Train Station platform in Carlsbad

Schedule a Tour!

Groups of local students and adults regularly visit and tour our facility. Over the last year, we hosted 10 community groups with over 100 attendees! Tours provide an opportunity to learn about science, engineering and technical careers that protect the environment, and how a wastewater collection system operates and is maintained.

Please call (760) 753-0155 or email info@lwwd.org to schedule a tour!



Aviara Oaks school tour in the Leucadia Pump Station

Spotlighted Tour

Congratulations to **FIRST Lego League Robotics TRLMBv2 of Sage Canyon and Ocean Airs** schools on winning the local **FIRST Lego Regional Finals!** At a recent board meeting, the robotics team presented their project on how wet wipes are impacting the human water cycle by clogging the wastewater system.

These young men took field trips to our Gafner Water Reclamation Facility and toured the Point Loma Wastewater Treatment Plant to see firsthand how — despite claims on the labels — wet wipes do not break down in the sewer system. Their presentation to our Board of Directors was in preparation for a **FIRST Lego League Tournament** on hydrodynamics. The team completed experiments with 8 different brands of wet wipes to see how well they break down and rated them. They discovered that none of them broke down as well as toilet paper.



FIRST Lego League Robotics TRLMBv2 presents their project on wet wipe

Wet Wipes Clog Pipes!

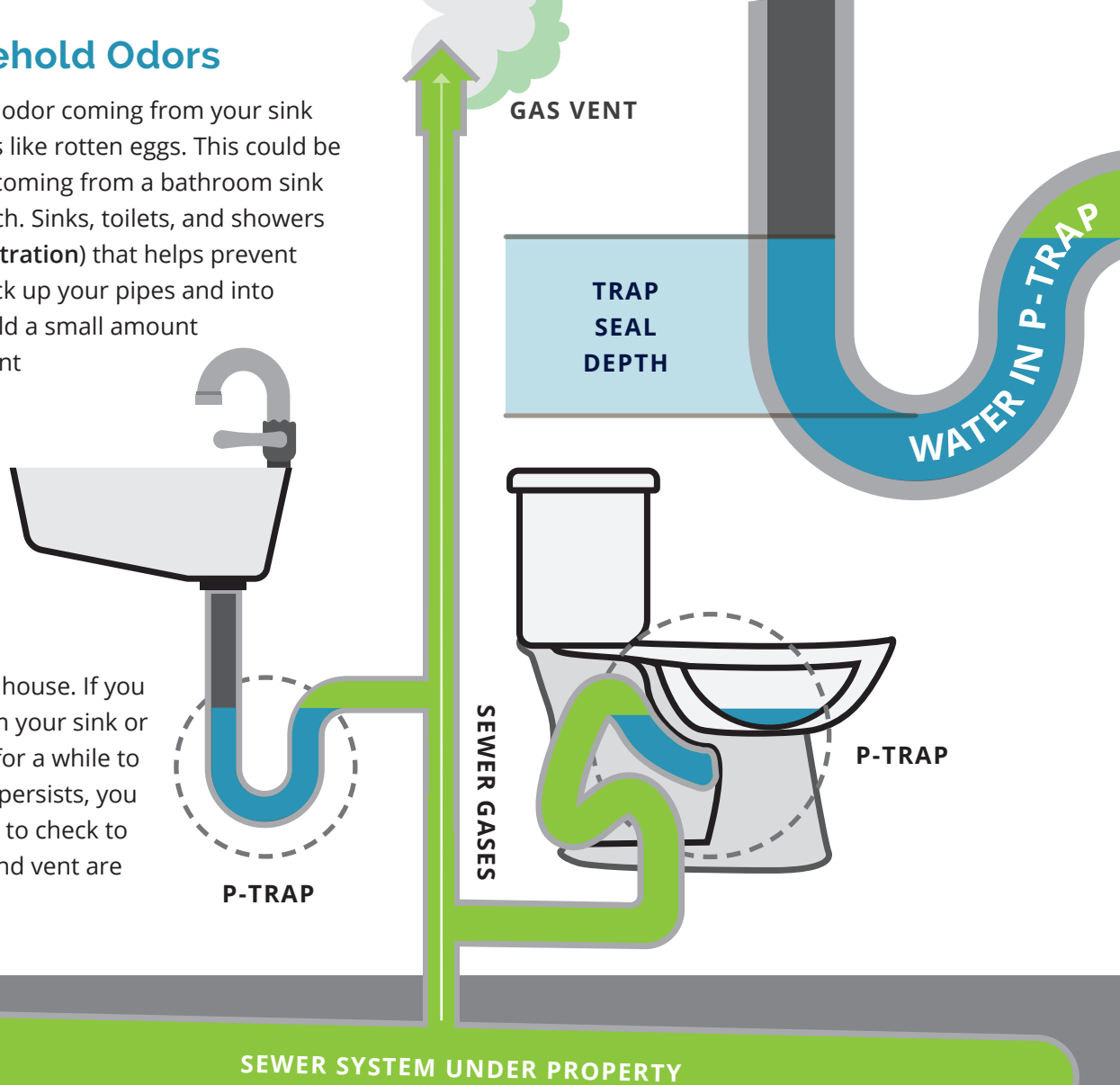
We won't rest easy until we eliminate wet wipes from the sewer system! They get caught up in the pumps, in screens, and in wet wells at our pump stations. They also accumulate Fats, Oils, and Grease (FOG) and other debris that is improperly poured down the drain. Any of this can cause a spill. So if you like clean beaches, low and consistent rates, and clean neighborhoods, please remember to use a trash can! [#NoWipesDownThePipes](#)



Please remember to use a trash can, not your toilet! [#NoWipesDownThePipes](#)

Eliminate Household Odors

Sometimes you'll notice an odor coming from your sink or shower drain that smells like rotten eggs. This could be sewer gas, especially if it's coming from a bathroom sink or drain that isn't used much. Sinks, toilets, and showers all have a "P-trap" (see illustration) that helps prevent sewer gas from coming back up your pipes and into your home. These traps hold a small amount of water which helps prevent gases from entering your bathroom or other areas that have drains. When the P-trap is full, any lingering gas travels up a separate pipe that vents through your roof, keeping it out of your house. If you notice an odor coming from your sink or other drain, run the water for a while to fill the trap. If the problem persists, you may need to get a plumber to check to make sure that your trap and vent are working properly.



Check Out Our New California Native Plant Landscaping at LWD

Recently we refreshed our landscaping with California native plants. Using native plants helps conserve water, requires less fertilizer and maintenance, and benefits the local environment. Native plants create a habitat for native pollinators and other wildlife such as birds and other beneficial insects.

This project aligns with our vision of environmental protection. If you have interest in redesigning your own landscaping to help conserve water and enjoy the natural beauty of San Diego's native flora, here are some resources to help:

San Diego Chapter of the California Native Plant Society: www.cnpsd.org

Ocean Friendly Gardens program by Surfrider: www.surfrider.org/programs/ocean-friendly-gardens



Planting of Assorted Natives



Purple Leaf Sage
Salvia macrophylla



Lilac Verbena
Verbena lilacina



Preparing for a tour of the Leucadia Pump Station at the 2017 Open House

Open House Lookback

We would like to thank our community for coming to our Open House on September 23rd, 2017. Our staff and board were proud to open our doors, show off our facilities, and demonstrate how our equipment works. Twenty-one community partners joined us to share their work. We'd like to give an extra thank you to the companies and agencies that donated supplies and prizes!

Gelson's, Starbucks, Flippin' Pizza, Olivenhain Municipal Water District, Opus Bank, Plumbers Depot, Southern Electric Contracting Co., Evoqua, Palomar Water, and Dream Dinners



21
COMMUNITY PARTNERS



430
ATTENDEES



1000
TACOS SERVED

Standout Achievements

Staff Awards



Todd Amos celebrated 5 Years of Service.



Ryan Rodriguez received the CWEA Collection System Maintenance Grade 2 certification and was promoted to Field Services Technician II.



Rick Easton received the State Water Resources Control Board D2 certification.



Jeffrey Stecker received the CWEA Collection System **PICK** Award for his Professionalism, Ingenuity, Contributions, and Knowledge. This honors his 36 years of work with CWEA.

District Achievements



6 years with no lost time incidents!



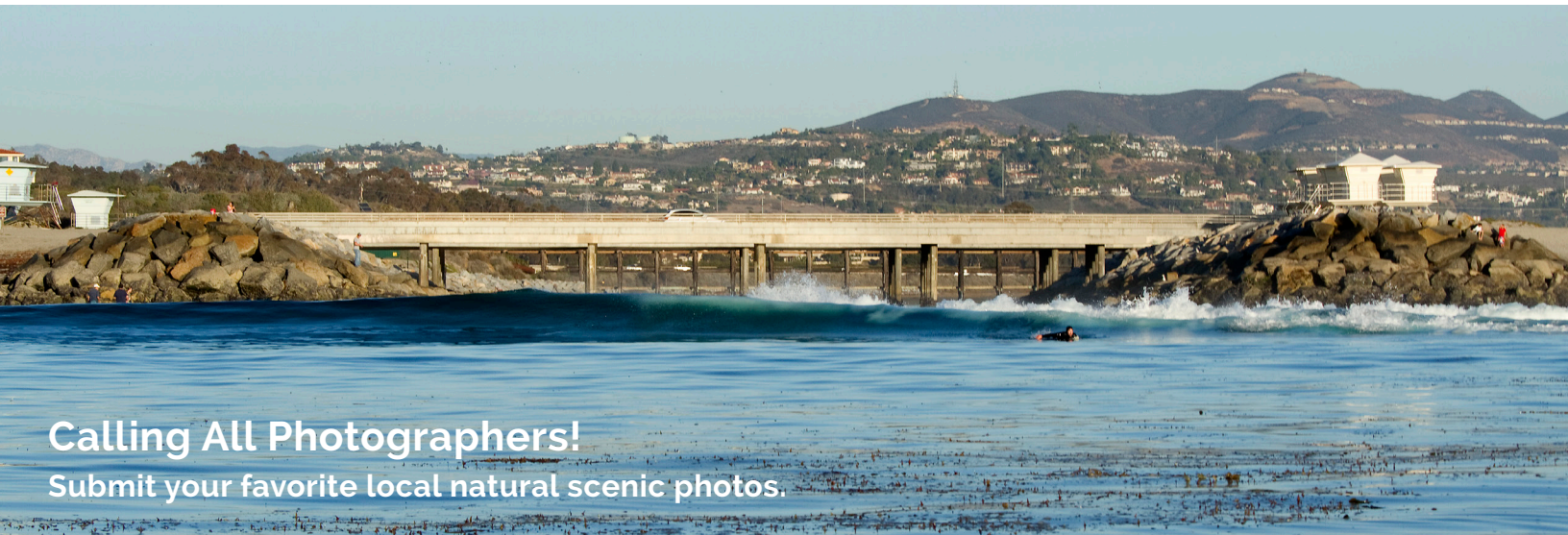
California Society of Municipal Finance Officers Outstanding Financial Reporting Award for Fiscal Year 2016-2017.

Downstream

Semi-Annual Newsletter — Winter 2018

We hope you enjoyed our semi-annual newsletter! Please follow us on our Facebook page [@LeucadiaWastewaterDistrict](#) for construction and traffic updates and other local wastewater information, or email us at info@lwwd.org

To subscribe and receive this newsletter digitally, please go to bit.ly/LWDdigital



Calling All Photographers! Submit your favorite local natural scenic photos.

We are looking to highlight the work of our community members in upcoming social posts as well as show off our beautiful community. Please submit your favorite pictures from Encinitas, South Carlsbad, and Leucadia by tagging a

photo on Facebook with **#LWDPhoto** or by email to info@lwwd.org and we'll post it on our Facebook page. We will give recognition to any photo we use in any of our postings or newsletters.



Leucadia Wastewater District Newsletter
Leaders in Environmental Protection, keeping our lagoons, beaches, and oceans clean and safe