

# pipelines



**Wild about the Wetlands**  
AT IRWD SAN JOAQUIN WILDLIFE SANCTUARY

Saturday, March 6th, 2010  
9 a.m. to 1 p.m. at  
IRWD San Joaquin Wildlife Sanctuary  
5 Riparian View, Irvine, CA 92612

Discover our interactive learning stations

Explore IRWD's hidden natural wonders




## Michelson Plant Expansion Phase 2 Update

Phase 2 of the Michelson Water Recycling Plant Expansion, ongoing through July 2012, will increase the capacity of the plant from approximately 18 million gallons per day (mgd) to 28 mgd.

Following demolition of the obsolete aerobic digester tank, crews started driving the piles which will support the new membrane bioreactor (MBR) structure. The cutting-edge MBR process will replace the sedimentation tanks and dual-media filters with membrane filters.

The result will be high-quality recycled water that can be disinfected without further treatment for reuse.



Demolition of aerobic digester tank.



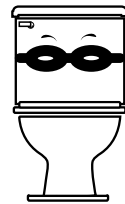
Pile driving for membrane bioreactor.

## Observe Fix a Leak Week, March 15 - 20: Fix All Leaks and Save Your Repair Receipts

In observance of Fix a Leak Week 2010, Irvine Ranch Water District (IRWD) is offering a special promotion to reward customers who find and fix leaks. To participate, IRWD urges you to stop wasting water and save money by following these steps:

1. Find and fix all water leaks promptly.
2. Call IRWD customer service at 949-453-5300 to request a one-time-per-leak adjustment during the Fix a Leak promotional period, February 1 through March 20, 2010. IRWD will thank you for fixing a leak by sending you some fun water conservation items. And there's more...
3. Don't forget to save your receipts from the leak repair!

By fixing a leak and requesting an adjustment during the Fix a Leak promotional period, your name will automatically be entered in a drawing, to be held March 22, for you to win reimbursement for the cost of your leak repair, not to exceed \$200. To win, you must show proof of your expenses, by providing your **original** leak repair receipts when claiming your reimbursement (awarded as a billing credit). For full details about this promotion visit [www.AlwaysWaterSmart.com](http://www.AlwaysWaterSmart.com) and click on "Fix a Leak Week 2010."



### Bust A Bandit

LEAKY TOILETS ARE WATER BANDITS!  
FIXING THEM CAN SAVE 30 TO 50 GALLONS  
PER DAY, PER TOILET.



REPAIRING LEAKS AND  
BROKEN SPRINKLER HEADS.  
CAN SAVE 10 GALLONS  
PER MINUTE, PER LEAK.

## Love your Garden . . . and your Water Bill

SAVE WATER - SAVE MONEY - SAVE THE OCEAN

Join us for a **FREE** landscape workshop on **March 26, 2010** from 6 to 9 p.m. at our Sand Canyon headquarters and learn the California Friendly way to a beautiful landscape with less water and more money in your pocket.

For more information, and to RSVP, go to [www.irwd.com](http://www.irwd.com) and click on "Free Programs" and "Landscape Workshops" or call 949-453-5327.



Mexican Evening Primrose



## Check out our Community Calendar Online

The Lake Forest Garden Club meets on the third Friday of the month, September through June, at 9:30 a.m. Meetings are held at the Lake Forest Beach and Tennis Club, 22921 Ridge Route Drive, Lake Forest.

Visit [www.irwd.com](http://www.irwd.com) and click on "Community Events" to view the entire IRWD Community Calendar online. Learn water use efficiency tips and conservation program changes by visiting [www.AlwaysWaterSmart.com](http://www.AlwaysWaterSmart.com). All online calendar and conservation information is continually updated.

The mission of Irvine Ranch Water District, a public agency, is to provide reliable, high quality water and sewer service in an efficient, cost effective manner and environmentally sensitive way that provides a high level of customer satisfaction.

### IRWD Board of Directors

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### Irvine Ranch Water District

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## Coordinates Mapped on IRWD Water Meters

Contractors armed with Global Positioning System (GPS) equipment are working throughout the IRWD service area to map the GPS coordinates for all residential, commercial, industrial and recycled water meters.



Customers might see workers like the one shown at left, but wearing orange IRWD safety vests, with hand-held GPS devices and antennas, standing in front of meters taking the readings. Collecting the GPS coordinates will allow all of the meters to be entered into an inventory for mapping purposes.

The work began in October and should be completed by this spring. There are around 100,000 meters to be mapped.



**24-Hour Service**  
**949.453.5300**

If you discover a disruption in your water service or other problem call the IRWD 24-hour emergency line and a representative will assist you.

### 24-Hour Online or Mobile Access

Visit our website: [www.irwd.com](http://www.irwd.com)

**facebook**

IRWD is now on Facebook.com

Join our fan page:

Irvine Ranch Water District

Follow IRWD's Twitter channels:



@IRWDemergency  
@IRWDnews  
@AlwaysH2OSmart

**You Tube**

IRWD's YouTube channel is:  
IrvineRanchWD

## Spring 2010 Free Water Awareness Tour Dates

Sign up for one of our free Water Awareness tours this spring. Tour dates are Saturday, April 24; Friday, April 30; Saturday, May 1; Friday, May 21 and Saturday, May 22.

Tours are open to those who live or work within IRWD's service area. This is an opportunity to learn about the water system, how wastewater is treated and converted to recycled water, as well as conservation tips. Tours feature a bus trip to IRWD facilities, a walking tour of the IRWD San Joaquin Wildlife Sanctuary, continental breakfast and lunch.

Tours begin at 9 a.m. and conclude at approximately 1:30 p.m. Reservations for tours fill up rapidly and are available on a first come, first served basis. We are unable to accommodate children under 16 years of age. Register online at [www.irwd.com](http://www.irwd.com). Click on "Free Programs" and "Resident Tours." Or, call (949) 453-5500.

Cut along dashed line and post this schedule near your irrigation controller.

### Suggested Weekly Winter Irrigation Schedule

Month	Turfgrass	Trees, Shrubs & Ground Cover	% Option***
February*	2 days, 2 cycles** of 2 minutes each	1 day, 2 cycles of 3 minutes each	30%
March****	3 days, 2 cycles of 3 minutes each	2 days, 2 cycles of 3 minutes each	50%

The above chart suggests a weekly schedule for spray-head irrigation, assuming heavy clay soils common to most local coastal and foothill areas. Generally, these are the MAXIMUM times you will need for full sun areas. Start with this schedule and increase the times only if your plants show signs of stress. If stress occurs only in isolated areas, check your irrigation system before increasing the watering time.

**Don't forget to turn off your sprinklers when it rains.** For convenience, consider installing an automatic rain shut-off device on your irrigation system.

\*In February, plants need approximately 70 percent less irrigated water than they require in the hot summer months.

\*\*By "cycling" the irrigation controller to turn on for the recommended number of minutes an hour apart, deeper watering and healthier root growth are gained, while runoff is reduced.

\*\*\*The % option, either a button or a dial, permits the watering run times for all electric valves managed by a controller to be increased or decreased with just one adjustment by percentage.

\*\*\*\*March/April is the most active growth period for turfgrass and other plants. Be sure to water adequately.