DROUGHT NEWS: WHAT’S THE LATEST?

This historic 5-year drought has been anything but predictable, although there are very recent positive changes for Lakeside. To summarize a whirlwind of rulings and regulation changes: on February 29, 2016 the Executive Order issued by Governor Brown on April 1, 2015 expired. The Order required a 25% reduction in water use throughout California as compared to the same period in 2013, and did so by requiring all water agencies to conserve on a sliding scale between 8% and 36% to accomplish this goal. Lakeside Water District was issued a 20% conservation reduction. Our customers met the goal plus an additional 5%, for a 25% total reduction. As uncertainty over the El Niño weather condition loomed, Governor Brown issued a second Executive Order in November 2015 extending the original order through October 2016.

The upside was that through extensive lobbying by the San Diego County Water Authority, ourselves and other water agencies locally and statewide, the State Water Resources Control Board (SWRCB) made concessions to modify conservation standards based on 1) an agency’s ability to maintain a drought resilient supply; 2) increases in population and; 3) climate (heat) adjustments, with no more than an 8% reduction being granted to any one agency. The result was our conservation standard was lowered to 12% below our 2013 usage.

Moving forward to May 18, 2016, the SWRCB approved other recommendations that will give local agencies more control over usage restrictions due to drought or regional supply issues. New changes to the drought emergency water conservation regulation allows the supplier to define individualized conservation standards based on their unique water supply and demand conditions over a three year period. Each water supplier will be required to evaluate its supply portfolio and self-certify the accuracy of this information.

This bodes well for Lakeside Water District as our wholesale agency, the San Diego County Water Authority, has implemented a multi-source approach to supply reliability; from the newly developed Carlsbad Desalination Plant to the innovative Imperial Irrigation District Conservation and Transfer Agreement.

The goal after the 1989-1992 drought was to make sure we were not reliant on one supply source. Now, after 25 years, we are finally able to say that we are not. We have multiple sources with long-term agreements in place to go hand in hand with regulatory decisions that finally acknowledge the regions, and all of our customers’ commitment. Looking forward, there will be a more interactive and flexible approach to conservation which will be based on actual supply conditions.

The Governor’s newest Executive Order issued on May 9, 2016, will take into account long-term improvements to local drought preparation across the state, and points of State’s Water Action Plan issued in 2014 that mandates using water more wisely, eliminating water waste, strengthening local drought resilience and improving agricultural water use efficiency and drought planning. It is uncertain if this drought will continue, but with a more sensible conservation approach in place, our community will better handle the ebbs and flows of our arid climate and cycles of drought.

Pipeline Replacement Update

Lakeside Water District completed 2,300 lineal feet of 10” cast iron pipeline replacement in 2015. The project, located at Vista Camino in Eucalyptus Hills, involved replacing 60 year old cast iron pipe with 8” PVC. As residents in the area know, we have had a few pipeline failures over the past ten years, and coupled with water quality concerns had elevated the replacement priority.

This year we are replacing 2,400 lineal feet of 8” concrete pipe with PVC pipe in Valle Vista Road and Serena Road. Our contractor S.C. Valley Engineering from El Cajon started in April and anticipates completion by late July.

The District has completed just under three miles of pipeline replacement over the last four years, and we have gained the upper hand in eliminating the failures we were experiencing over the last ten years. Next year, we plan to replace nearly 2,000 feet of older steel pipeline in Almond Road in the southern area of the District.

We thank everyone who has been affected by our projects for their patience and understanding.
### PRIMARY STANDARDS: Mandatory Health-related Standards

#### CLARITY:
- Combined Filter NTU: 0.3 (Highest 0.19, 0.13, 0.09)
- Effluent Turbidity: 5.0 (Highest 0.0, NA, NA)

#### MICROBIOLOGICAL:
- Total Coliform: Distribution System-wide: Range ND, ND, ND (Highest RAA ND, ND, ND)
- E. coli: Distribution System-wide: Range ND, ND, ND (Highest RAA ND, ND, ND)
- Bacteria: Distribution System-wide: Range ND, ND, ND (Highest RAA ND, ND, ND)

#### INORGANIC CHEMICALS:
- Aluminum (Al): ppb 1000, 600, 50 (Highest RAA ND, ND, ND)
- Arsenic (As): ppb 10, 0.004, 2 (Highest RAA ND, ND, ND)
- Barium (Ba): ppb 1000, 2000, 100 (Highest RAA ND, ND, ND)
- Fluoride (F): ppm 1000, 300, 9 (Highest RAA ND, ND, ND)
- Iron (Fe): ppb NA, NA, NA (Highest RAA ND, ND, ND)
- Lead (Pb): ppb NA, NA, NA (Highest RAA ND, ND, ND)
- Nickel (Ni): ppm NA, NA, NA (Highest RAA ND, ND, ND)
- Chromium VI (CrVI): ppb NA, NA, NA (Highest RAA ND, ND, ND)
- Cadmium (Cd): ppb NA, NA, NA (Highest RAA ND, ND, ND)
- Copper (Cu): ppm NA, NA, NA (Highest RAA ND, ND, ND)
- Zinc (Zn): ppm NA, NA, NA (Highest RAA ND, ND, ND)

#### RADIOLOGICALS (L):
- Gross Alpha: Range 3.7-7.9, 3.5, 0.7 (Highest RAA ND, ND, ND)
- Gross Beta: Range 1.3-2.2, 1.1-2, 1.3-2.2 (Highest RAA ND, ND, ND)

#### DISINFECTION BY-PRODUCTS, DISINFECTANT RESIDUALS, AND DISINFECTION BY-PRODUCTS PRECURSORS (g):
- Total Trihalomethanes: ppm 80, 20, 10 (Highest RAA 75, 10, 7)
- Haloacetic Acids: ppm 60, 20, 10 (Highest RAA 75, 10, 7)
- Total Chlorine Residual: ppm 2.5, 2.3, 2.1 (Highest RAA 2.5, 2.1, 2.0)
- DBP Precursors Control: ppm 0.30, 0.26, 0.20 (Highest RAA 0.30, 0.26, 0.20)

#### SECONDARY STANDARDS: Aesthetic Standards
- Chloride: ppm 500, 300, 100 (Highest RAA 256, 243, 207)
- Color: ppm 25, 15, 5 (Highest RAA 25, 15, 5)
- Odor: ppm 3, 3, 3 (Highest RAA 3, 3, 3)
- Specific Conductance: µS/cm 1600, 1500, 600 (Highest RAA 1567, 1000, 1000)
- Sulfate (SO4): ppm 1000, 300, 100 (Highest RAA 1000, 500, 400)
- Total Dissolved Solids: ppm 1000, 500, 200 (Highest RAA 1000, 500, 400)
- Turbidity: NTU 1.0, 1.0, 1.0 (Highest RAA 0.9, 0.8, 0.7)

#### OTHER PARAMETERS

### FEDERAL UNREGULATED CONTAMINANTS MONITORING RULE (UCMR2) (i)
- List 1 - Assessment Monitoring: ND ND ND
- List 2 - Screening Survey: ND ND ND

### OTHER PARAMETERS
- Alkalinity (CaCO3): ppm 239, 125, 128 (Highest RAA 239, 125, 128)
- Boron (B): ppb 0.1, 0.1, 0.1 (Highest RAA 0.1, 0.1, 0.1)
- Calcium (Ca): ppm 86-126, 67-71, 49 (Highest RAA 104, 69.3, 77)
- Chloride: ppm 201-282, 120-130, 125-130 (Highest RAA 201-282, 120-130, 125-130)
- Total Dissolved Solids (TDS): ppm 69-105, 640, 647 (Highest RAA 69-105, 640, 647)

### FEDERAL WATER QUALITY CRITERIA (i)
- Chloride: ppm 500, 1000, 2000 (Highest RAA 256, 243, 207)
- Color: ppm 25, 15, 5 (Highest RAA 25, 15, 5)
- Odor: ppm 3, 3, 3 (Highest RAA 3, 3, 3)
- Specific Conductance: µS/cm 1600, 1500, 600 (Highest RAA 1567, 1000, 1000)
- Sulfate (SO4): ppm 1000, 300, 100 (Highest RAA 1000, 500, 400)
- Total Dissolved Solids (TDS): ppm 1000, 500, 200 (Highest RAA 1000, 500, 400)
- Turbidity: NTU 1.0, 1.0, 1.0 (Highest RAA 0.9, 0.8, 0.7)

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CONSUMER CONFIDENCE REPORT: Educational Information

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Lakeside Water District’s groundwater source is the Santee-El Monte Basin, a groundwater source for many in our community. The basin provides good water quality that has small amounts of iron and manganese which we remove with a specially designed treatment plant located at our Administration and Operations facility at 10375 Vine Street, Lakeside. A source water assessment detailing potential sources of contamination completed in January 2010 is available for review upon request at the District office.

Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, that can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Lakeside Water District is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water is available from the Safe Drinking Water Hotline 1-800-426-4791. If you should have any questions about the CCR or water quality in general, please call Lakeside Water District at 619-443-3805.
- Radioactive contaminants, which can be naturally occurring or the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, USEPA and the California Department of Public Health prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. Department regulations also establish limits for contaminants in bottled water that must provide the same protection for public health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA’s Safe Drinking Water Hotline 1-800-426-4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, the elderly and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. USEPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline 1-800-426-4791. If you should have any questions about the CCR or water quality in general, please call Lakeside Water District at 619-443-3805.

GROSS BETA PARTICLE ACTIVITY

<table>
<thead>
<tr>
<th>Species</th>
<th>Units</th>
<th>Range</th>
<th>Average</th>
<th>Standard Deviation</th>
<th>MCL (ICRU 60)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cesium-137</td>
<td>Bq/L</td>
<td>0.0-20</td>
<td>0.0</td>
<td>0.0</td>
<td>0.4</td>
</tr>
</tbody>
</table>

The gross beta particle activity MCL is 4 millirem/year annual dose equivalent to the total body or any internal organ. The screening level is 50 pCi/L.

LAKESIDE WATER DISTRICT
(619) 443-3805

BOARD OF DIRECTORS
President: Frank Hilliker
Vice President: Pete Jenkins

Directors:
Brooks Boulter
Steve Johnson
Eileen Neumeister

General Manager:
Brett Sanders

Our Board meets at the District office on the first Tuesday of each month at 5:30 p.m.

BILL PAYMENT OPTIONS
Online
www.lakesidewater.org
Credit cards or electronic checks accepted.

Automated Phone System
(619) 443-3805, option 3
You will need your account number as it appears on your bill.

In Person
Check payments are accepted at our office business days between 8:00 am and 5:00 pm or left in the black drop box in front of the office.

Rebates and water saving strategies:
www.watersmartsd.org
www.whenindrought.org
Specific usage restrictions: lakesidewater.org
Questions? Call our office: (619) 443-3805
Firefly & Squirt

This drought has lasted almost twice as long as the one in ’89-’92.

Looks like ‘drought’ is the new normal.

The good news is that, over the last 25 years, we have diversified our water supply! Now we’re not solely dependent on the Colorado River!

No... We can use more, but we need to make conservation a way of life now.

So we can use as much water as we want?

*Sigh*
So who can afford to use more water anyway?

Gov. Brown issues executive order 8-31-16