Safe Drinking Water Web Site

Presented by:

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Site Scope

- This is a collaborative interactive web site
- Theme is **Safe Drinking Water Quality**
- It is intended to:
  - Convey timely and relevant drinking water quality information
  - Provide information on the effort required to treat water to acceptable standards
  - Highlight topical water quality issues
Site Audiences

- **Customers:**
  - Public
  - Water leadership decision-makers
  - Legislature
  - Academic researchers

- **Stakeholders:**
  - DWR, SWRCB, Water Quality Monitoring Council
  - Environmental and water industry organizations
Approach

- Finalize relationship with a collaborative water industry partner
- Secure funding for site design
- Specify site design requirements
- Select site designer
- Prototype site
- Establish business processes for updating of water quality data and information
- Launch site
Resources

- CalEPA Supplemental Environmental Project source for initial funding
- Web design expertise supplied by partner
- Content supplied by CDPH and partner
  - Extensive media library from ACWA and WEF
  - Water quality data and interpretation from CDPH
Public Water System Content

- Characterization
  - Contacts
  - Service area boundaries
  - Types of sources and treatments

- Water quality records
  - Link to current system CCR
  - Water sample test results and comparisons
  - Water consumption (GPCD) and comparison
  - Public health ‘boil water’ orders

- Complaint form
BOIL WATER NOTICE
Este informe contiene información muy importante sobre su agua potable.
Traduzcalo o hable con alguien que lo entienda bien.

BOIL YOUR WATER BEFORE USING
Failure to follow this advisory could result in stomach or intestinal illness.

Due to the recent event [e.g., water outage, power outage, flood, fire, earthquake or other emergency situation], the California Department of Public Health in conjunction with the [County Name] County Health Department, and [Water System name] Water System are advising residents of [City, Town, System] to use boiled tap water or bottled water for drinking and cooking purposes as a safety precaution.

DO NOT DRINK THE WATER WITHOUT BOILING IT FIRST. Bring all water to a boil, let it boil for one (1) minute, and let it cool before using, or use bottled water. Boiled or bottled water should be used for drinking and food preparation until further notice. Boiling kills bacteria and other organisms in the water. [This is the preferred method to assure that the water is safe to drink.]

Optional alternative to include for prolonged situations where it fits.
- An alternative method of disinfection for residents that are not able to boil their water is to use fresh, untreated liquid household bleach. To do so, add 8 drops (or 1/8 teaspoon) of
Instructional Content

- Water treatment methods
  - Sources and conveyance
  - Contamination removal
- The cost and value of water
  - Average water fees
  - How drinking water is used
- Role of the regulator
  - Knowledgebase and training necessary
  - Process of regulating industry

- Perchlorate (2010)
- Styrene (2010)
- Benzo(a)pyrene (2010)
- 2,3,7,8-TCDD (2010)
- Methoxychlor (2010)
- 2,4-D (2010)
- Selenium (2010)
- Trichloroethylene (2009)
Value of water

A Gallon of TAP WATER

$0.002
Regulator Role

- Drinking Water Program engineers
- Reporting requirements for water systems
- Process of establishing MCLs and PHGs
- How the public is notified
- Steps to correct delivery of bad water

### MCLs & PHGs by the Numbers

<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>How many Federal MCLs?</td>
<td>79</td>
</tr>
<tr>
<td>How many CA MCLs?</td>
<td>90</td>
</tr>
<tr>
<td>How many Public Health Goals?</td>
<td>92</td>
</tr>
<tr>
<td>How many MCLs below PHGs?</td>
<td>18</td>
</tr>
<tr>
<td>How many CA MCLs lower than Federal MCLs?</td>
<td>24</td>
</tr>
<tr>
<td>How many MCLs lower than CA MCLs?</td>
<td>0</td>
</tr>
<tr>
<td>How many PHGs reviewed since 2005?</td>
<td>21</td>
</tr>
<tr>
<td>(10 revised, 11 unchanged)</td>
<td></td>
</tr>
<tr>
<td>How many MCLs est./revised since 2005?</td>
<td>12</td>
</tr>
<tr>
<td>(5 new, 7 revised)</td>
<td></td>
</tr>
</tbody>
</table>

### Current Regulatory Status

- Total Chromium ([Cr3 + Cr6])
  - USEPA MCL = 100 ug/L
  - California MCL = 50 ug/L
- OEHHA set final Cr-6 PHG = 0.02 ppb
- No federal or state MCL for Cr6  
  (currently regulated under the total chromium MCL)
- Soliciting comments on UCMR 3—include Cr-6?  
  (currently not included); will run from 2013-2015
- Unlikely to see a federal MCL until 2017 or 2018
Questions?

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