

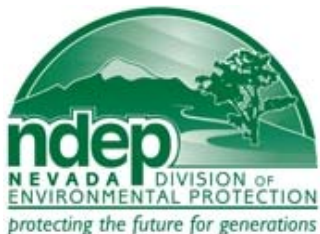
# State Regulatory Update & BSDW Program Notes

**NvRWA Conference**

**March 20, 2014**

**Jennifer Carr, PE, CEM, CPM**

**Chief, Bureau of Safe Drinking Water**



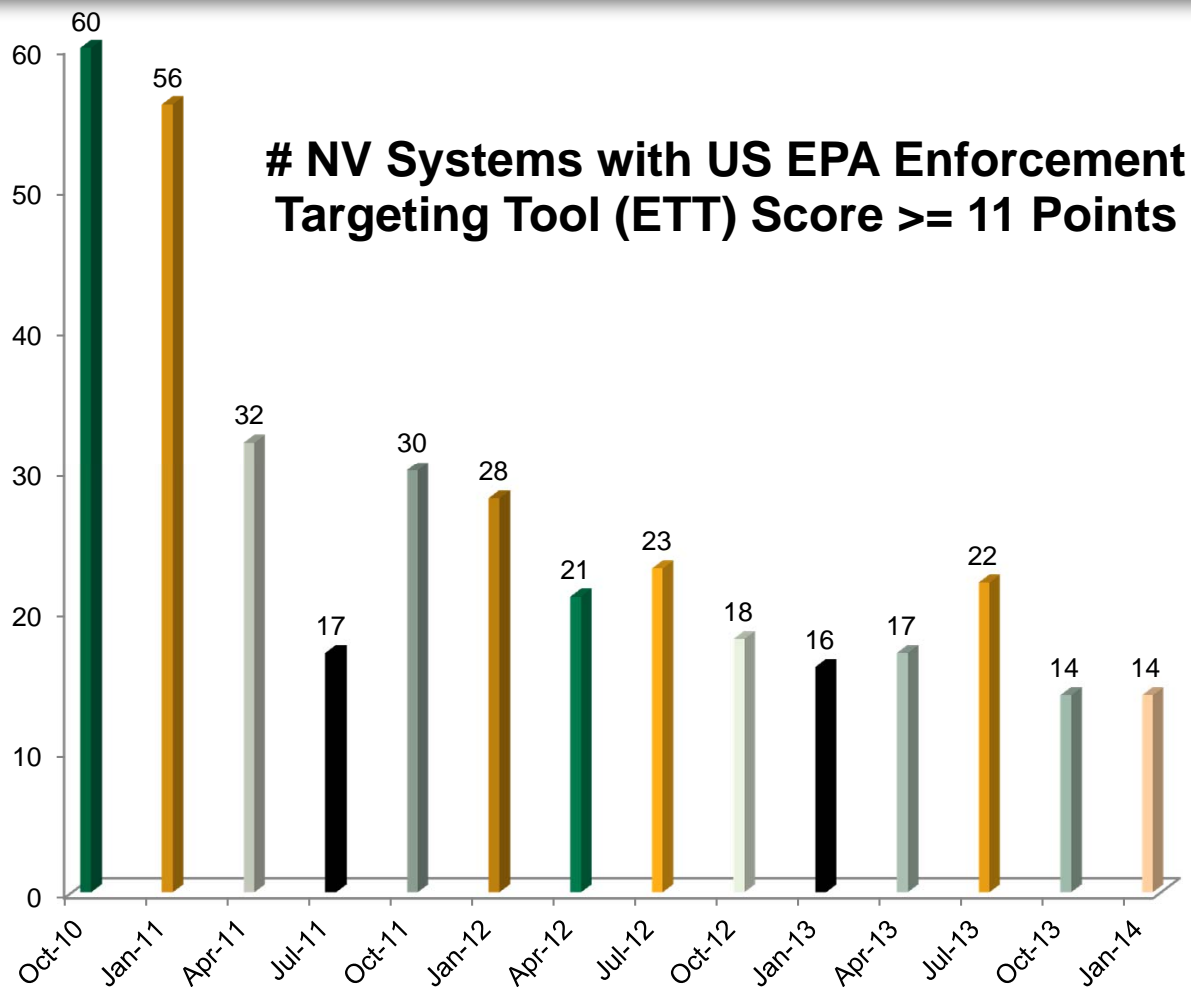
# Welcome

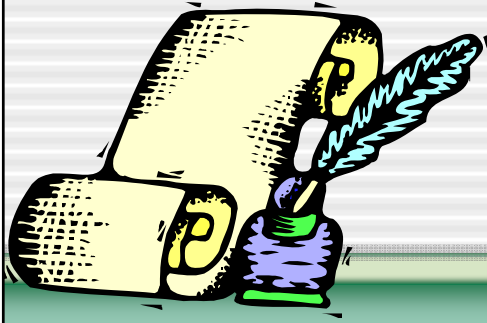




# THANK YOU!

Numbers staying pretty low...  
But there is still work to be done!





# Law Change Since Last Year

- Statutes (NRS) vs. Regulations (NAC)
- Senate Bill 65 (NRS) – Passed & Effective
  - ◆ Clarified Non-Emergency Enforcement Processes & Added Prospective Enforcement
  - ◆ Changed Entity for Appeals
  - ◆ Added Fines & Penalties for Drinking Water Laboratories in Violation of Laws & Regulations
- Now codified in NRS 445A.943-445A.952

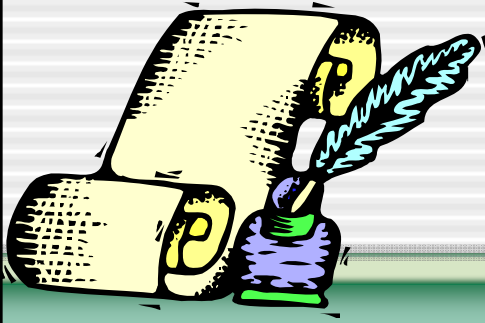


# Regulation Changes In Development

## Regulation Amendments (NAC)

- July 1, 2009 - last Federal codification adopted by reference;
- Updating to July 1, 2014
- Next - **Revised Total Coliform Rule**
  - ◆ BSDW is training with EPA HQ on the Rule
  - ◆ “Road Testing” Assessment Process
  - ◆ Developing official Coliform Sampling Plans with *EVERY* PWS – Know them... Use them





# Regulation Changes In Development


## Regulation Amendments (NAC)

- Engineering Design, Operation & Maintenance – Daunting Project
- Laboratory Certification, including:
  - ◆ Consistency and Cleanup
  - ◆ Crypto (SDWA) & WET Testing (CWA)
  - ◆ Mining Lab Regulatory Program (CWA)
  - ◆ Falsifying a Chain of Custody is Fraud





# Chain of Custody Errors Can Look Like Fraud?? WHAT??


**SilverState**  
 Analytical Laboratories  
 www.ssalabs.com

3638 E. Sunset Rd., Ste. 100, Las Vegas NV 89120  
 Phone: (702) 873-4478 Fax: (702) 873-7967

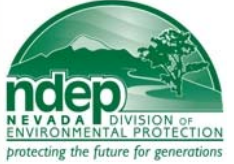
4587 Longley Lane, No. 2, Reno, NV 89502  
 Phone: (775) 825-1127 Fax: (775) 825-1167

**CHAIN-OF-CUSTODY**

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Project/Job #:	Payment Method/PO #: <b>WT-499798</b>		Name: [REDACTED]
SEND INVOICE TO:	Name: <b>WATER TREATMENT PLANT</b>	REPORT RESULTS TO: (INDICATE METHOD)	Company: [REDACTED]
	Company: [REDACTED]		Mailing Address: [REDACTED]
	Mailing Address: [REDACTED]		City, State, Zip: [REDACTED]
	City, State: [REDACTED]		Phone: [REDACTED]

Sampled By: [REDACTED]	Turnaround Time (Specify Below with an X): Standard 10 Business Days <input checked="" type="checkbox"/>	Other Pertinent Info: <b>PWS?</b> [REDACTED] <b>(TPAS)</b>	ANALYSES REQUESTED					
	<table border="1" style="width: 100%; text-align: center;"> <tr> <td>1 Day</td> <td>2 Day</td> <td>3 Day</td> <td>Other</td> </tr> </table> <small>NOTE: A surcharge is applied for rush samples</small>	1 Day	2 Day	3 Day	Other		<input checked="" type="radio"/> Circle Ap SDWA <input type="radio"/> CWA  Report to: RL Re: [REDACTED] <small>NOTE: Surcharges:</small>  *Metals:	
1 Day	2 Day	3 Day	Other					
Date Sampled	Time Sampled	Sample Location/ Sample ID	Silver State Lab ID	Comp/ Grab	Matrix*	Preservative	Number/Type of Containers**	
<b>8/5/13</b>	<b>1200</b>	<b>TPAS</b>	<b>23-0200-1</b>	<b>GR</b>	<b>AQ</b>	<b>VARIOUS</b>	<b>GP</b> <b>13</b>	<b>5</b> <b>SSC PH. 2+5</b>



# Contract Operations

Are you *REALLY* Operating in Responsible Charge or.....

Are you really more of a Sampler/Monitoring Specialist and “Operator in Name Only”

If you are the Designated Operator, your client **MUST** involve you in decisions (and maintenance, etc.) related to the water system!!!



# Drought Impacts?

- Agency Representative to Governor's Drought Task Force
  - ◆ Surface Water Systems?
  - ◆ Groundwater Systems – Well Recovery or DTW issues?
  - ◆ Concerns with Trends??

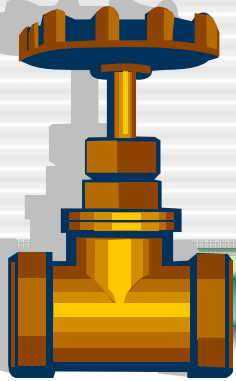


Pb Lead

Atomic Number: 82  
Atomic Mass: 207.20

# “Lead Free”

- Lead Reduction Act - redefines “Lead Free”
  - ◆ Effective Jan 4, 2014
  - ◆ <8% lead is now <0.25% lead (weighted avg)
    - NSF/ANSI Standard 372 and Standard 61
  - ◆ Exemptions
    - Hydrants (Follow-up Amendment to the Act in 2013)
    - Service Saddles
    - Gate valves >2” dia
    - Non-potable use fittings and fixtures



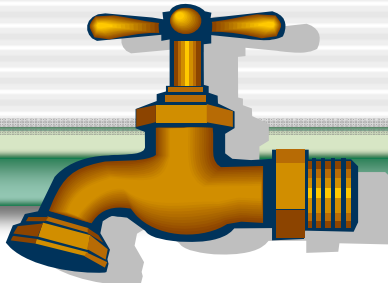
# NV Reg Amendments

**NAC 445A.66085 “Lead-free” defined. ([NRS 445A.860](#))** “Lead-free” means, with regard to:

1. Solder and flux, that not more than 0.2 percent of the composition of the solder or flux is lead.
2. Pipes, **[and] fittings and fixtures, that not more than [8 percent of the composition of the pipe or fitting is lead] a weighted average of 0.25 percent lead when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures; as calculated in accordance with the Federal Act, adopted by reference in NAC 445A.450.**
3. **Service saddles, water distribution main gate valves that are 2 inches in diameter or larger and fire hydrants, qualifying for an exemption under subsection (a) paragraph (4) of the Federal Act, adopted by reference in NAC 445A.450, that not more than 8 percent of the composition of the pipe or fitting is lead.**



# LRA Summary and Frequently Asked Questions

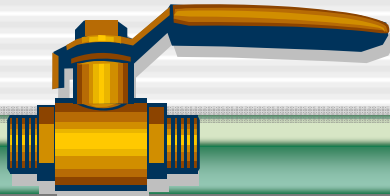


<http://water.epa.gov/drink/info/lead/upload/epa815s13003.pdf>

A screenshot of a Windows Internet Explorer browser window. The address bar shows the URL: http://water.epa.gov/drink/info/lead/upload/epa815s13003.pdf. The page content is centered and reads: "Summary Of The Reduction Of Lead In Drinking Water Act And Frequently Asked Questions". Below this, there is a paragraph of text: "The Reduction of Lead in Drinking Water Act was enacted on January 4, 2011 to amend Section 1417 of the Safe Drinking Water Act (SDWA or Act) respecting the use and introduction into commerce of lead pipes, plumbing fittings or fixtures, solder and flux. The Act established a prospective effective date of January 4, 2014, which provided a three year timeframe for affected parties to transition to the new requirements. Upon signature the Community Fire Safety Act of 2013<sup>1</sup> will further amend Section 1417 to exempt fire hydrants. In anticipation of these changes taking effect, EPA is providing the following summary of the requirements of the lead ban provisions in Section 1417 and some answers to frequently asked questions related to the amendments to assist manufacturers, retailers, plumbers and consumers in understanding the changes to the law." Below the paragraph is a section titled "Outreach" with the text: "On August 16, 2012, EPA held a public webinar with stakeholders to discuss the Reduction of Lead in Drinking Water Act and the potential ramifications that this change in law may have. Participants included public utilities, government agencies, plumbing manufacturers, plumbing retailers and". The browser interface includes a search bar, navigation buttons, and a status bar at the bottom showing "Done" and "Unknown Zone | Protected Mode: Off".



# How to Identify Lead Free Certification Marks



<http://nepis.epa.gov/Adobe/PDF/P100GRDZ.pdf>

The screenshot shows a Windows Internet Explorer browser window. The address bar contains the URL <http://nepis.epa.gov/Adobe/PDF/P100GRDZ.pdf>. The page content includes the EPA logo, a title, and two main sections of text. The first section, 'What is the new lead-free requirement?', explains the 2011 law and the 2014 effective date. The second section, 'How do I know which products must meet the new lead-free requirement?', states that the law applies to all pipe, pipe fittings, plumbing fittings, and fixtures starting January 4, 2014. A callout box on the right, with an arrow pointing from the second section, defines 'lead-free' as 'not more than a weighted average of 0.25% lead when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures.' An image of a hand filling a glass at a kitchen faucet is also visible.

## How to Identify Lead-Free Certification Marks for Drinking Water System & Plumbing Materials

**What is the new lead-free requirement?**  
In 2011, the Reduction of Lead in Drinking Water Act was signed into law. The Act has reduced the lead content allowed in drinking water system and plumbing materials by changing the definition of "lead-free" in Section 1417 of the Safe Drinking Water Act. Although the law doesn't go into effect until January 4, 2014, some entities have been preparing for the change.

**How do I know which products must meet the new lead-free requirement?**  
Starting January 4, 2014, the prohibitions on use and introduction into commerce will apply to all pipe, pipe fittings, plumbing fittings, and fixtures (henceforth referred to as "products"), including stocked inventories that have not been installed. This includes coated or uncoated

The term "lead-free" has been updated from not more than 8% lead content to mean "not more than a weighted average of 0.25% lead when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures."





# Secondary Disinfection

## Cross Connection Specialists & Operators I need your Awareness and Help

- ◆ *If a building adds a disinfection system to its incoming service connection:*

**IT BECOMES A SEPARATE  
PUBLIC WATER SYSTEM**

- ◆ Hospitals, Nursing Homes, College Dorms, Hotel/Casinos, etc.

# NV Secondary Disinfection Experiences – *Legionella* Control

- Consecutive Connections to PWSs
  - ◆ Super-heated hot water
  - ◆ Intermittent shock chlorination
  - ◆ **Re-chlorination of incoming supply (most common)**
  - ◆ **Two Chlorine Dioxide systems coming on line soon**
  - ◆ Copper-Silver Ionization ... pending



# BSDW Contact Information

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BSDW Bureau Chief

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***NDEP – BSDW Main Line:***

***Mandy Corder – Administrative Assistant***

***775-687-9521***

**[http://ndep.nv.gov/bsdw/staff\\_directory.htm](http://ndep.nv.gov/bsdw/staff_directory.htm)**

# Keep Your Eye on the Prize

No matter what, Public Health Protection has to remain our top priority and focus.

