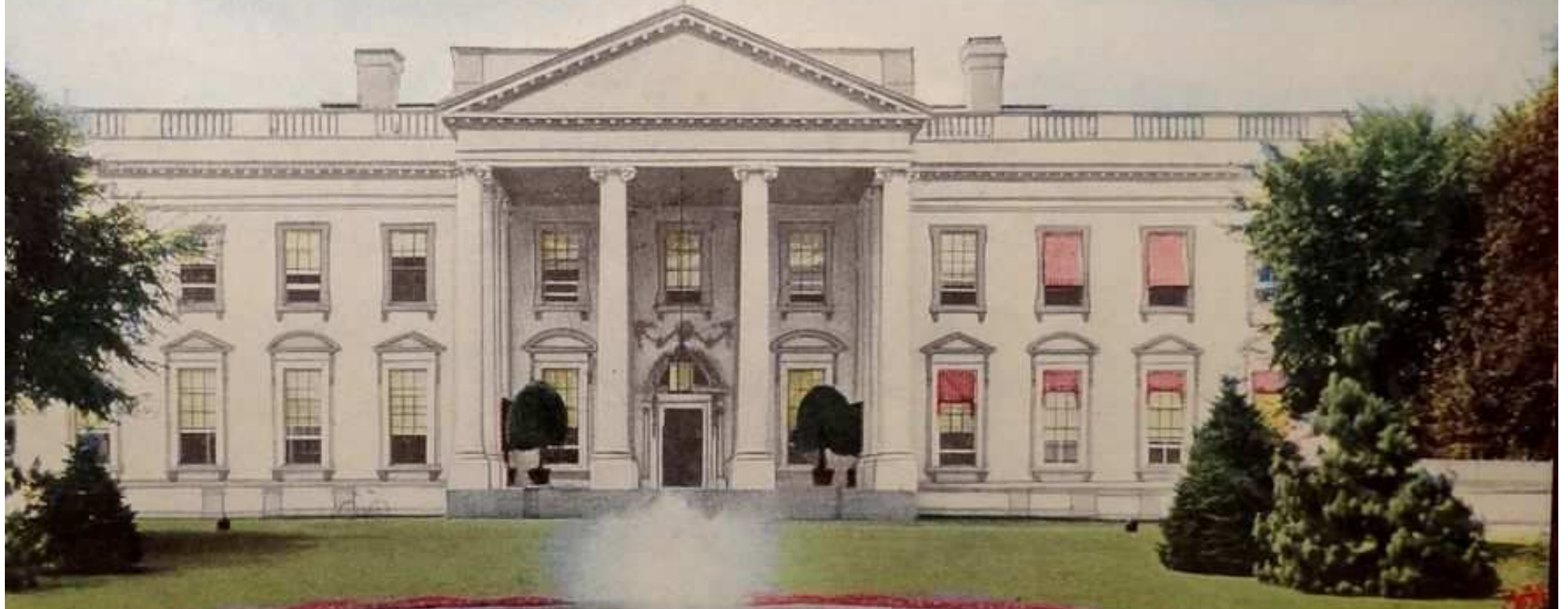




**"Our Kids
Deserve
Safe
Drinking
Water"**

**Lead & Copper Implications for
Schools and Child Care Facilities**

THE WHITE HOUSE—HOME OF THE PRESIDENT, WASHINGTON, D. C.
A BEAUTIFUL EXAMPLE OF PURE WHITE LEAD PAINTING



"A Beautiful Example of Pure White Lead Painting"

Have We Forgotten the Kids?



"Lead taints drinking water in hundreds of schools, day cares across USA"

USA Today March, 2016



Photo: Bradley W. Parks

AUGUST 01, 2016 6:49 PM

FORT WORTH

Star-Telegram

Unsafe lead levels found in water fountains at Fort Worth schools



A photograph of a white ceramic water fountain with a brass faucet. A white sign is posted on the back of the fountain, reading: "NOTICE NON-POTABLE WATER NOT FOR DRINKING OR COOKING USE". A red and white striped cup is placed in the fountain's basin.



part of the **npr** digital network

Your State, Your Stories

Elevated levels of lead and copper found in water at 19 Detroit schools

By AMELIA ZAK · APR 14, 2016

Rauner signs lead-testing law for schools, day care centers

By Sophia Tareen Associated Press, January 16, 2017



What is Being Done in Michigan?



\$ 4.5 MILLION





MDEQ Guidance on Drinking Water Sampling for Lead and Copper at Schools and Daycares on Community Water Supplies

Version 3.0 – August 1, 2016



What the Schools Have Been Doing

Photo: Rob Manning/OPB



DEQ Recommendations

- Take action on taps >5 ppb
- Immediately shut down the high tap
- Public Notification
- Investigate
- Replace fixtures & or plumbing
- Implement a formal routine flushing and aerator cleaning program
- Re-test

Potential Sources of Lead in School Buildings

- Lead solder
- Lead fluxes
- Lead pipe and lead pipe fittings
- Fixtures, valves, meters, and other system components containing brass
- Sediments



Factors That May Impact the Release of Lead

"Lead does not magically
appear out of nowhere;
you found it because its
there"

"Lead is highly variable
within a system,
even at the same tap"

(Miguel Del Tora, EPA)



What Will be Done Next?

- Legislation
- Mandate school testing?
- Who does what?
- Where will the \$\$ come from?

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Things I Forgot To Say

