

Appendix C. EPA final action on their falsified report, that was used to justify Washington D.C. partial pipe replacement program, wasted \$100 million dollars and increased the incidence of childhood lead poisoning.

**NOTICE:** EPA does not have the data, a Quality Assurance Project Plan, or a Quality Management Plan associated with this 2006 report entitled, "Effects of External Currents and Dissimilar Metal Contact on Corrosion from Lead Service Lines." The report was prepared by Dr. Steve Reiber, Formerly of HDR Engineering, and Laura Dufresne of The Cadmus Group, Inc., and finalized in November 2006. Readers are cautioned that other research has not reached the same conclusion as the report and the Science Advisory Board (SAB) has discussed reasons for the discrepancy. When asked to comment on whether partial lead service line replacement (PLSLR) might cause elevated lead levels at the tap due to galvanic corrosion, the SAB concluded that:

*The number of studies to examine the ability of PLSLR to reduce lead exposure is small and those studies have major limitations (small number of samples, limited follow-up sampling, lack of information about the sampling data, limited comparability between studies, etc.). Overall the SAB finds that, based on the current scientific data, PLSLRs have not been shown to reliably reduce drinking water lead levels in the short term, ranging from days to months, and potentially even longer. Additionally, PLSLR is frequently associated with short-term elevated drinking water lead levels for some period of time after replacement, suggesting the potential for harm, rather than benefit during that time period. Available data suggest that the elevated tap water lead levels tend to then gradually stabilize over time following PLSLR at levels both above and below those observed prior to PLSLR.*

More information can be found in the Science Advisory Board report

at: [http://yosemite.epa.gov/sab%5Csabproduct.nsf/964CCDB94F4E6216852579190072606F/\\$File/EP-A-SAB-11-015-unsigned.pdf](http://yosemite.epa.gov/sab%5Csabproduct.nsf/964CCDB94F4E6216852579190072606F/$File/EP-A-SAB-11-015-unsigned.pdf)

## Final Report

### Effects of External Currents and Dissimilar Metal Contact on Corrosion from Lead Service Lines

Prepared for:

George Rizzo, Work Assignment Manager  
U.S. Environmental Protection Agency Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029  
Contract Number 68-C-02-069  
Work Assignment Number 47

Prepared by

Dr. Steve Reiber  
Formerly of HDR Engineering

and

Laura Dufresne  
The Cadmus Group, Inc.

Finalized November 2006