

**Why remove mercury or screen to ensure that no mercury contamination exists?**

- *“Mercury may be the 21st-century lead poisoning,”* Family Circle Magazine, March 12, 2002, Special Report: The Hidden Danger in Your Home, Are You at Risk for Mercury Poisoning?
- *“It is important for the general public to understand that either short-term or long-term exposures to metallic mercury can lead to serious health problems,”* 1997 National Alert, The Agency for Toxic Substances and Disease Registry (ATSDR), part of the US Public Health Service.
- *“Exposure to high levels of metallic, inorganic or organic mercury can permanently damage the brain, kidneys, and developing fetus. Effects on brain functioning may result in irritability, shyness, tremors, changes in vision or hearing, and memory problems,”* April 1999, ToxFAQs for Mercury Fact Sheet, The Agency for Toxic Substances and Disease Registry (ATSDR), part of the US Public Health Service.
- *“Mercury that is spilled or spread through a school creates an immediate health issue, and may require expensive cleanup and monitoring,”* June 2001, Ohio EPA, Office of Pollution Prevention, Mercury Awareness for School Teachers Fact Sheet.
- *“Prevention is the key to avoiding poisoning in homes, schools and families,”* 1997 National Alert, The Agency for Toxic Substances and Disease Registry (ATSDR), part of the US Public Health Service.

**Elemental Services & Consulting  
740.815.9660**

Be sure to check our “Mercury Museum” at  
[www.escoinfo.com](http://www.escoinfo.com)

# **Elemental Services & Consulting, Inc.**



## **Providing Common Sense, Science- Based Solutions**

- **Mercury Spill Cleanup**
- **Mercury Decontamination**
- **Mercury Consultation**
- **Mercury Evaluation**
- **Mercury Vapor Screening**
- **Mercury Device Removal**
- **Mercury Training and Education**

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## Summary of Services

### • Spill Clean up & Decontamination

Mercury contamination caused by known or unknown spills or releases pose unique challenges. We have experience in cleaning up hundreds of mercury spills and releases using effective & creative solutions.

### • Consultation

Elemental Services & Consulting will provide comprehensive consultation on what options are available for mercury contamination removal, options for mercury free alternatives for mercury containing devices and mercury storage and spill prevention.

### • Mercury Evaluation

With our knowledge and experience, we can identify sources of mercury and provide you with alternatives in order to reduce future exposure to mercury's harmful effects. In combination with mercury vapor screening, our evaluations can ensure that your facility is "mercury free."

### • Mercury Vapor Screening

Using state of the art instrumentation, we provide screening of all areas to ensure mercury contamination does not exist. This information is made available ONLY to our clients through our confidentiality agreement. If mercury contamination is found, be assured ESCO is prepared to provide effective techniques to remove the contamination.

### • Mercury Device Removal

We will remove all stored mercury and any mercury containing devices. We then package and provide for **FREE** disposal and documentation of disposal for all your stored mercury or mercury containing devices.

### • Plumbing Surveys

We provide plumbing trap inventory as well as "end-of-pipe" surveys to determine the extent of mercury contamination within your plumbing system. This survey will ensure compliance with standards for waste water discharges. Following this survey, we can provide solutions to remove any contamination that may be present.

### • Training and Education

Whether you store and use mercury in your facility or if you have mercury containing devices that you wish to continue to use, training and education is critical. We provide comprehensive training on mercury spill response techniques and on mercury spill planning & prevention. Additionally, we provide spill kits and training in their proper use for any facility where mercury is used or stored.

## What You Can Expect

- Confidentiality with all data
- Comprehensive reporting
- Affordable solutions
- Highly trained & educated personnel
- Dedicated equipment
- Efficient & appropriate use of resources
- Experienced managers
- Professional relationships with Ohio EPA, USEPA and local health departments
- Utilization of the latest information and technology from industry leaders & researchers
- Confidential communication in all phases of a project
- Complete solutions for all mercury issues

## Facts about Mercury and its Vapor

- There are three (3) basic types of mercury: Elemental Mercury, Mercury Salts and Methylmercury.
- The routes of entry into the body associated with mercury are: inhalation and absorption.
- Mercury emits vapor readily at room temperatures.
- Mercury vapor is colorless, odorless and tasteless.
- Mercury is highly toxic, especially to children and to a developing fetus.
- Mercury "bio-accumulates" in humans and the environment.
- The amount of mercury in a fever thermometer is enough to contaminate a 20 acre lake.
- When mercury is spilled, microscopic "beads" may be left behind after cleaning and each "bead" will continue to emit vapor.
- There are suitable alternatives to mercury and mercury containing devices for virtually everything that contains mercury.

## Call for a Free Consultation

By focusing only on mercury issues, we not only provide superior service and solutions, we provide our services at affordable rates. There is no cost or obligation for an initial consultation to discuss what Elemental Services & Consulting can do to help you reduce or eliminate mercury and mercury contamination from your facility. For more information, call **740.815.9660**.

## Who Can Benefit From Our Services?

- Schools
- Colleges & Universities
- Dental Clinics
- Medical Clinics
- Hospitals
- Waste Water Facilities
- Natural Gas & Electric Facilities
- Manufacturing / Industrial Facilities
- Salvage Facilities
- HVAC Contractors
- Demolition & Maintenance Facilities
- Home Owners

## Sources of Mercury

Thermometers  
Thermostats  
Fluorescent Lights  
Manometers  
Switches  
"Silent" Light Switches  
Flame Sensors  
Chest Freezers  
Flow Meters  
Float Switches  
Sump Pump Floats  
Liquid Mirror Telescope  
Old Latex Paint (<1991)  
HID Lamps  
Gas Meters (<1961)  
Antique Mirrors  
Clock Counterweights  
Coal Burning Facilities

Esophageal Devices  
Barometers  
Blood Pressure Devices  
Ranges / Ovens  
Automobile Switches  
Water Heaters  
Clothes Dryers  
Furnaces  
Space Heaters  
Hygrometers  
Batteries  
Drain Pipes & Traps  
Silver Amalgam Waste  
Rubber Gym Floors  
Chemistry Sets  
Science Laboratories  
Research Laboratories  
Improper Disposal