

# TRIANGLE ENVIRONMENTAL SCIENCE & ENGINEERING INC.

Triangle Environmental, for over 30 years, has been providing quality Professional Environmental services throughout Missouri



John Cable, Owner of Triangle Environmental, with John Cable Jr.

John received his B.S. and M.S. in Geological engineering from the University of Missouri-Rolla

Our company continues to grow by maintaining excellent relationships with our clients and seeking new customers. Triangle would like to help you with your environmental needs.

.....Please give us a call!!.....

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# LEAD TESTING



**DEPARTMENT OF HEALTH LICENSED  
LEAD RISK ASSESSORS  
AND  
LEAD PAINT INSPECTORS**



ENVIRONMENTAL SCIENCE  
AND ENGINEERING INC

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# PROFESSIONAL LEAD INSPECTIONS

## LEAD

**Lead** remains in approximately 74 % of all housing built before 1978. It was commonly added to house paint until 1978 when the Consumer Product Safety Commission restricted the amount of lead added to household paint.

The chipping, peeling or chalking of lead paint is a common source of lead dust. This lead paint dust gathers on floors, carpeting and windowsills. This dust is then easily collected on hands, feet, skin, and ingested by infants, children and adults.

**Lead** paint dust is the most common source of lead exposure for children. Dust may also collect on toys, bottles, pacifiers and other objects which children may put into their mouths.

**Lead** dust is also increased after older lead painted walls have been disturbed through remodeling or repainting. Home renovations and remodeling contribute to nearly half of the childhood lead poisonings in Missouri.

Soil can also become contaminated with lead due to the breakdown of lead-based paint on buildings and lead paint on playground equipment.

Although lead can affect almost every part of your body, it usually targets the oxygen-carrying red blood cells first. In time, it will attack the nervous system.

## THE SIGNS AND SYMPTOMS

LEAD POISONING IN CHILDREN MAY INCLUDE:

- Irritability
- Loss of appetite
- Weight loss
- Sluggishness and fatigue
- Abdominal pain
- Vomiting
- Unusual paleness from anemia

### Lead exposure

*About 310,000 U.S. children ages 1 to 5 have elevated blood lead levels, which can accumulate over months and years and cause serious health problems.*

#### Effects on children

- Kids absorb up to 70 percent of lead, adults about 20 percent
- Often undetected; no obvious symptoms
- Can lead to learning disabilities, behavioral problems, malformed bones, slow growth
- Very high levels can cause seizures, coma, death

#### Sources

- Lead-based paint, contaminated dust in homes built before 1978
- Drinking water from lead pipes
- Contaminated food
- Soil (lead does not biodegrade, decay)
- Toys\*

#### What parents can do

- Have child screened if there is concern of lead exposure
- Frequently wash child's hands, toys, pacifiers
- Only use cold tap water for drinking, cooking
- Test paint, dust in home if it was built before 1978

\*Old toys with lead paint a known risk, but new toys from China now have come under scrutiny  
Source: U.S. Centers for Disease Control and Prevention, U.S. Department of Health and Human Services  
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## THE SIGNS AND SYMPTOMS

LEAD POISONING IN ADULTS MAY INCLUDE:

- Pain, numbness or tingling of extremities
- Muscular weakness
- Headache
- Abdominal pain
- Memory loss
- Mood disorders
- Reduced sperm count, abnormal sperm
- Miscarriage or premature birth
- Fatigue

Triangle Environmental Science and Engineering Inc. has been providing professional environmental services to central and south central Missouri for over 30 years. We are Missouri Department of Health and Senior Services certified to conduct Professional Lead Based Paint Assessments and would like to help with any environmental evaluation.