

LEAD INSPECTION SERVICES

Engineering Client Success

Lead is a naturally occurring metal that has been used in building materials along with hundreds of other man-made products. Poisoning by inhalation or ingestion of lead-containing dusts may lead to a wide range of adverse health effects, particularly in children.

The primary sources of lead exposure are:

- Deteriorating lead-based paint,
- Lead-contaminated dust in homes, and
- Lead-contaminated soil in residential areas.

The EPA has played a major role in addressing lead hazards in the United States. Since the 1980's, the EPA has been instrumental in phasing out lead in gasoline, reducing allowable lead levels in drinking water and industrial air emissions, and has banned or limited lead used in consumer products, including residential paint.

TEC also plays an important role by providing lead-paint inspection and non-destructive testing services utilizing the latest X-ray Fluorescence (XRF) technology for residential, commercial, industrial, municipal, and school properties

located throughout southeast Michigan.

The XRF allows trained and certified technicians to perform on-site lead testing while keeping projects on time and within budget.



TEC lead inspection services include:

Lead-Based Paint Inspections/Surveys

Required for public housing and child-occupied facilities:

- Comprehensive lead based paint surveys
- Assessment of risks posed by deteriorated lead-containing materials

Lead Risk Assessment

- Determine lead dust levels on floors and sills

Construction Related Services:

- Conduct inspections before undertaking renovation or demolition work in order to identify lead-containing building materials
- Monitor worker airborne exposure to lead

Dust Wipe Analysis

On-site Clearance Testing

- Stop cleaning only when dust wipe readings indicate permissible lead levels have been achieved
- Non-destructive testing allowing accredited laboratories to re-analyze samples to confirm results

Lead Paint Abatement Design/Project Management

- Prepare remediation specifications
- Air monitoring and project oversight during abatement activities
- Final clearance testing and documentation

For more information, contact Scott Chandler, CIH – Manager, Industrial Hygiene Services at 248-588-6200, or visit our website at www.testingengineers.com.