

GOVERNMENT OF THE DISTRICT OF COLUMBIA
Department of Energy and Environment

Lead-Safe and Healthy Housing Division
Lead Compliance & Enforcement Branch

District Lead Risk Assessor Exam Learning Objectives

History and Health Effects
List the effects of lead exposure on adults' health
List the effects of lead exposure on children's health
Identify the year lead-based paint was banned from residential paint
Identify how resident's hobbies and occupations might contribute to elevated blood lead levels and contamination of the home and personal items
List the groups of people that have higher lead absorption after ingestion
List the routes of lead exposure in children
Identify potential lead exposure sources
Describe the difference between various laboratory methods for analyzing lead
State the reference value for blood lead level in a child by Centers of Disease Control (CDC) Visit, https://www.cdc.gov/nceh/lead/acclpp/blood_lead_levels.htm for more information
Regulation and Enforcement
Identify the type of respirator that may be required for lead-based paint activities

Outline the key elements of the Occupational Safety and Health Administration's (OSHA) Lead in Construction Standard
State why is it important to be familiar with State and local requirements for lead-based paint risk assessment
List District, US Environmental Protection Agency (EPA) and United States Department of Housing and Urban Development (HUD) guidelines standard action and clearance levels for lead in dust
Describe blank and spike samples and when must they be used in accordance with the District lead regulations
Identify which lead abatement and interim control methods are appropriate in accordance with the District lead law and regulations
Describe how the Resource Conservation and Recovery Act (RCRA) regulations apply to lead-based paint
Define "presumed lead-based paint" in the District
State when an accredited training certificate for lead risk assessor and a District Department of Energy and Environment (DOEE) certification for lead risk assessor expire in accordance with the District lead regulations
Explain when a Notice of Dust Sampling form must be submitted to the District Department of Energy and Environment (DOEE)
List the individuals that are qualified to conduct lead free unit inspections in accordance with the District lead regulations
Roles/Goals of Risk Assessor
Outline the roles and responsibilities of a lead risk assessor
Explain the goal of a lead-based paint risk assessment
Identify the key elements of the Elevated Blood Lead (EBL) investigation questionnaire
List the information that is needed for a property before conducting a lead-based paint risk assessment
Describe why a lead risk assessor needs to know the renovation plan for the

building
Explain how to select housing units in mixed-use building risk assessments
Explain how to select units in multi-family building risk assessments
Risk Assessment Inspection
Recognize basic building and construction terminology
Describe how you identify interior and exterior areas that need to be examined during a lead-based paint risk assessment
Describe how a change in paint conditions may cause lead-based paint to become a hazard
Explain why it is important to take bare soil samples during a lead-based paint risk assessment
List the information that is needed about a child when conducting a lead-based paint risk assessment
Identify how to review previous lead-based paint inspection reports
Explain how to perform a visual assessment of painted surfaces
List the types of paint failure and the possible causes
List the steps in a risk assessment
Describe the sample location selection requirements for a lead-based paint risk assessment
Define “single surface” and “composite” dust sampling
Calculate soil sample results in ppm and dust sample results in $\mu\text{g}/\text{ft}^2$
Identify the tools or equipment needed for sampling
Explain how to conduct soil sampling
Explain the difference between various types of water samples
Explain how do you use an X-Ray Fluorescence (XRF) analyzer to read a lead-based paint surface

Identify the key elements of the performance characteristics sheet and how to use the sheet
Describe the key elements of a management plan for a multi-family building
List the advantages of paint film stabilization
Outline the difference of relative costs between various hazard control options
Describe the difference between a lead re-evaluation and lead risk assessment
Identify the causes of interior and exterior lead-based paint hazards
Identify the best way to control lead hazards for unidentified lead-based paint at a project
Remediation and Monitoring
Describe which lead-hazard control activities are prohibited or not recommended
Outline how to select appropriate hazard controls for different scenarios
Differentiate between hazard controls or abatement methods for lead contaminated soil
Identify the elements involved in ongoing lead hazard monitoring
Identify the components of a visual inspection following interior and exterior lead abatement and interim controls
Clearance inspection
Identify when a clearance examination is needed
Describe how to conduct a clearance inspection based on random number selection process
Explain the clearance examination process after lead-based paint activities in accordance with the District lead regulations