

GOVERNMENT OF THE DISTRICT OF COLUMBIA  
Department of Energy and Environment

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

*District Lead Inspector Exam Learning Objectives*

| <b>Definitions</b>   |
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| Define “lead-based paint”  |
| Recognize basic building and construction terminology  |
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| <b>History and Health Effects</b>  |
| List the effects of lead exposure on adults’ health  |
| List the effects of lead exposure on children’s health   |
| State the reference value for blood lead level in a child by the Centers for Disease Control (CDC)   |
| Visit, <a href="https://www.cdc.gov/nceh/lead/acclpp/blood_lead_levels.htm">https://www.cdc.gov/nceh/lead/acclpp/blood_lead_levels.htm</a> for more information                              |
| Explain the factor for childhood absorption rate from lead exposure  |
| Outline common lead sources and the possible transportation paths  |
| Identify the lead sources for lead contaminated soil   |
| Identify the sources of lead in drinking water   |
| Identify surfaces for lead contaminated dust accumulation  |
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| <b>Regulation</b>  |
| Identify the US Environmental Protection Agency (EPA) regulations and United States Department of Housing and Urban Development (HUD) guidelines applicable to a lead-based paint inspection |

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| List the disclosure and notification requirements of United States Department of Housing and Urban Development (HUD), US Environmental Protection Agency (EPA) and the District                                      |
| List the US Environmental Protection Agency (EPA) recommended steps for reducing lead in drinking water  |
| Explain the key elements of the Occupational Safety and Health Administration (OSHA) Lead in Construction Standard   |
| Explain the respirator requirements for lead-based paint activities  |
| Outline how do you use United States Department of Housing and Urban Development (HUD) guidelines for lead-based paint inspections   |
| Explain what to look for during a visual clearance examination of a lead abatement and interim control project   |
| Describe how to choose appropriate dust wipe sample locations for a clearance examination  |
| Interpret dust sample results and what are District, US Environmental Protection Agency (EPA), United States Department of Housing and Urban Development (HUD) guideline standards for window trough, sill and floor |
| State the lead-based paint inspection report retention requirements in accordance with the District lead law and regulations   |
| Identify testing combinations for lead-based paint inspection  |
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| <b>Roles/Goals of a Lead-Based Paint Inspector</b>   |
| Describe the roles and responsibilities of the lead-based paint inspector  |
| List the type of information is needed for lead-based paint inspections  |
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| <b>Lead-Based Paint Inspection</b>   |
| Explain what an X-Ray Fluorescence (XRF) analyzer is, what are the licensing requirements and safety measurements for it   |
| Outline the difference between various techniques for a lead-based paint   |

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| testing   |
| List the types of liability issues related to lead-based paint inspections and risk assessments   |
| Describe how the age of an X-Ray Fluorescence (XRF) analyzer source affects its usage   |
| Explain how to calibrate an X-Ray Fluorescence (XRF) analyzer   |
| Identify the requirements for paint chip sampling   |
| List the forms needed for field inspections   |
| State how to monitor X-Ray Fluorescence (XRF) analyzer usage  |
| List the type of common information that should be requested from a client prior to a lead-based paint inspection   |
| Explain why is it important to know the common history for units in a building and what type of history is useful for an inspector  |
| Calculate the number of units to inspect using the 2012 or most current United States Department of Housing and Urban Development (HUD) guidelines  |
| Explain the different unit selection procedures for the lead-based paint inspection using the 2012 or most current United States Department of Housing and Urban Development (HUD) guideline sampling protocols |
| Identify the major elements for the floor plan sketch   |
| List the types of information that should be recorded for paint condition during lead-based paint inspection  |
| Describe how to choose representative surfaces during a lead-based paint inspection   |
| Explain how to keep X-Ray Fluorescence (XRF) analyzer reading data  |
| Describe how to use the 2012 or most current United States Department of Housing and Urban Development (HUD) guidelines for paint chip sampling in a single family and multi-family property                    |
| Explain how to get lead-based paint data by weight or by area when using  |

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| paint chip sampling  |
| List the key elements for submitting and interpreting laboratory samples   |
| Explain the spot test method for lead testing and when can it be used  |
| Identify how to take soil samples to test for lead   |
| Explain how to collect dust samples and calculate the dust-lead concentration  |
| Identify which method is used to measure X-Ray Fluorescence (XRF) exposure   |
| Explain when and how to collection clearance examination samples   |
| Outline the steps for composite sampling for a clearance examination   |
| Describe how to use United States Department of Housing and Urban Development (HUD) guidelines to determine the number of the same component should be tested in a multi-family building |
| Identify the key elements for a lead-based paint inspection report   |
| Give examples of the recommended next steps for an owner based on the lead-based paint inspection findings   |