

GOVERNMENT OF THE DISTRICT OF COLUMBIA
DEPARTMENT OF ENERGY AND ENVIRONMENT
LEAD-SAFE AND HEALTHY HOUSING DIVISION | LEAD COMPLIANCE AND ENFORCEMENT BRANCH

LEARNING OBJECTIVES

LEAD INSPECTOR EXAM

DEFINITIONS

- Define “lead-based paint”
- Recognize basic building and construction terminology

HISTORY AND HEALTH EFFECTS

List the effects of lead exposure on adult’s health	List the effects of lead exposure on children’s health
Explain the factors 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	State the reference value for blood lead level in a child by the Centers for Disease Control (CDC)*
*visit cdc.gov/nceh/lead/acclpp/blood_lead_levels.htm for more information	

REGULATION

Identify the U.S. Department of Housing and Urban Development (HUD) guidelines and U.S. Environmental Protection Agency (EPA) regulations applicable to a lead-based paint inspection	List the disclosure and notification requirements of HUD, EPA, and the District
List the 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 what to look for during a visual clearance examination of a lead abatement and interim control project	Outline how to use HUD guidelines for lead-based paint inspections
Describe how to choose appropriate dust wipe sample locations for a clearance examination	Explain the respirator requirements for lead-based paint activities
Identify testing combinations for lead-based paint inspection	State the lead-based paint inspection report retention requirements in accordance with the District’s lead law and regulations
Interpret dust sample results and identify District, EPA, and HUD standards for a window trough, sill, and floor	

ROLES / GOALS OF A LEAD-BASED PAINT INSPECTOR

- Describe the roles and responsibilities of the lead-based paint inspector
- List the type of information needed for lead-based paint inspections

LEAD-BASED PAINT INSPECTION

Explain what an X-Ray Fluorescence (XRF) analyzer is and what are the licensing requirements and safety measurements for an XRF analyzer	Outline the difference between various techniques for a lead-based paint testing
Describe how the age of an XRF analyzer source affects its usage	Explain why it is important to know the common history for units in a building and what type of history is useful for an inspector
Explain how to calibrate an XRF analyzer	List the types of liability issues related to lead-based paint inspections and risk assessments
State how to monitor XRF analyzer usage	Identify the requirements for paint chip sampling
Explain how to keep XRF analyzer reading data	List the forms needed for field inspections
Identify which method is used to measure XRF exposure	List the type of common information that should be requested from a client prior to a lead-based paint inspection
Calculate the number of units to inspect using the 2012 or most current HUD guidelines	List the types of information that should be recorded for paint condition during a lead-based paint inspection
Identify the major elements for the floor plan sketch	List the key elements for submitting samples to a laboratory for analysis
Explain how to get lead-based paint data by weight or by area when using paint chip sampling	Identify how to take soil samples to test for lead
Explain the spot test method for lead testing and when it can be used	Explain when and how to collect clearance examination samples
Explain how to collect dust samples and calculate the dust-lead concentration	Outline the steps for composite sampling for a clearance examination
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
Describe how to use the 2012 or most current HUD guidelines for paint chip sampling in a single family and multi-family property	List the key elements on how to interpret laboratory results
Describe how to use HUD guidelines to determine the number of the same components that should be tested in a multi-family building	Explain the different unit selection procedures for the lead-based paint inspection using the 2012 or most current HUD guideline sampling protocols