# Learning Objectives

## Lead Abatement Supervisor Exam

### Definitions, Background Information and Healthy Effects

- Knowledge of the District’s key lead-related definitions, such as “abatement,” “interim controls,” “lead-based paint hazard,” “encapsulation,” etc.
- Knowledge of the definition of hazardous waste in the Resource Conservation and Recovery Act (RCRA)
- Knowledge of the methods used to identify lead-based paint hazards
- Knowledge of the various sources of lead contamination in soil and dust
- Knowledge of the common pathways of lead exposure for children and adults
- Knowledge of common places in a home where lead-based paint hazards are found
- Knowledge of the symptoms, health effects, and treatment methods for lead poisoning, both for children and for adults

### Regulation and Enforcement

- Knowledge of “prohibited practices” for paint removal under the District’s lead law
- Knowledge of the Occupational Safety and Health Administration (OSHA) safety measures requirements
- Knowledge of the Toxicity Characteristic Leaching Procedure (TCLP) test and how to interpret the test result
- Knowledge of the OSHA standards used to protect employees
- Knowledge of when to test and how to interpret a worker’s blood lead level test result
- Knowledge of the OSHA Lead-in-Construction Standard
- Knowledge of personal hygiene requirements during an abatement project
- Knowledge of the requirements of a lead warning sign and notification in accordance both with OSHA and with the District’s lead law
- Knowledge of the Permissible Exposure Limit (PEL) and the action to take if the exposure is greater than the PEL
- Knowledge of how to read and interpret a Safety Data Sheet (SDS)
- Knowledge of the OSHA medical surveillance and monitoring requirements for lead abatement workers
- Knowledge of the OSHA requirement for air sampling, and ability to interpret the sample result to determine worker time weighted (TWA) exposure
- Knowledge of the clearance examination requirements in the District’s lead law
## Supervisor Knowledge and Responsibilities

| Knowledge of the roles and responsibilities of a lead abatement supervisor | Knowledge of when and how to use a heat gun in an abatement project |
| Knowledge of when and how to conduct soil abatement and interim controls | Knowledge of safety rules for using a ladder |
| Knowledge of various occupant protection measures for an abatement project | Understand the importance of pre- and post-testing for lead abatement projects |
| Knowledge of the different containment requirements for interior and exterior work | Ability to determine the appropriate air sampling location at a work site |
| Ability to properly construct work site containment and decontamination areas | Explain the record keeping, filed log, and bookkeeping requirements for a supervisor |
| Ability to identify specific building components, such as window troughs, door frames, stair risers, etc. | Knowledge of cleaning procedures for a lead work site |
| Knowledge of different abatement methods and ability to properly use them for different situations including encapsulation, chemical stripping, etc. | Knowledge of when and how to use high-efficiency particulate air (HEPA) filters in an abatement project |
| Identify the tools or equipment needed for conducting abatement work | Knowledge of how to dispose of lead abatement waste |
| Knowledge of how to properly use Personal Protective Equipment (PPE) during a lead abatement project, such as gloves, respirators, Tyvek apparel, goggles, etc. |  |