

Course Syllabus

Course: **Environmental Protection Agency (EPA) Lead Safety Renovate, Repair and Painting (RRP)**
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Time: **TBA**

Course Description: This course is designed to prepare individuals to safely work around lead-based paint in the renovation of homes under the U.S Environmental Protection Agency (EPA)/Renovate, Repair, and Painting (RRP) Rule. Anyone who may encounter lead contamination while renovating, repairing or painting a building will benefit from this course. The course is to be done in a single 8-hour day. It includes two hours of hands-on training, with the remainder in a classroom setting. Successful completion of the course results in EPA-RRP certification.

Course Objectives: Upon completion of this class students should be able to:

1. Explain health risks and problems associated with lead contamination
2. Identify sites that are likely to be contaminated with lead
3. Use an EPA-approved lead check test kit
4. Place critical barriers and post signs to isolate work areas from access by unauthorized individuals
5. Set up Interior and exterior work areas
6. Demonstrate proper use of personal protective equipment (PPE) in a lead-safe environment
7. Clean-up of interior and exterior environments
8. Perform visual clearance
9. Conduct cleaning verification

Attendance: Attendance for the duration of the course is mandatory.

Personal Conduct: Students are expected to arrive in class promptly and remain until class is dismissed. Smoking and eating in class are prohibited. No gum chewing in class. Cell phones and other devices silenced or turned off. Please respect your fellow classmates as well as the training center staff and facilities.

Course Introduction:

Why EPA Lead Safety?

Lead is a powerful neurotoxin that can lead to learning and developmental disabilities in children, even in relatively small doses. It is also dangerous for adults, especially pregnant women. Unfortunately, lead was commonly added to paint in the U.S. until 1978. Lead-based paint can easily become disturbed when renovating (or demolishing) a building. Sanding, cutting, and other common renovation measures can cause lead-based paint to become airborne dust. If breathed in, this can pose serious risk to building occupants.

Because of this, federal law requires any renovation that disturbs more than 6 ft² of painted interior space or 20 ft² of painted exterior spaces in homes, child-care facilities or schools built before 1978 to follow lead-safe practices. Contractors who perform this type of work need to be EPA RRP certified. Failure to follow this requirement will result in stiff fines, and more importantly, may cause serious harm to building occupants. Successful completion of this course will certify contractors to renovate under these conditions.

Who should take this course?

The course is suggested for anyone who may encounter lead contamination while renovating, repairing, or building. EPA-RRP certification is strongly required for any contractor that may encounter lead paint on the job. This course is also mandatory for WAP Installer certification.

Course Schedule:

Lecture/Discussion

- Course Introduction

- Module 1: Why should I be concerned about lead paint?
 - Dangers and symptom of lead poisoning
 - How lead gets into the body
 - Basic concerns and measures

Field Training

- Personal Protective Equipment

Lecture/Discussion

- Module 2: Regulations
 - EPA rules
 - Housing and Urban Development rules
 - Renovate, Repair & Painting
 - Renovator responsibilities
 - State and local regulations

- Module 3: Before Beginning Work
 - How widespread is the risk?
 - Educating owners and residents
 - Lead testing kits

Field Training

- Paint chip collection/sampling
- EPA approved lead test kit

Lecture/Discussion

- Module 4: Contain dust during work
 - Dust containment techniques
 - Signage

- Containment in different areas inside the home
- Containment outside the home

Field Training

- Interior level one containment setup
- Exterior level one containment setup

Lunch

- Practicing EPA Lead Safety in New Jersey

Lecture/Discussion

- Module 5: During the work
 - During the work overview
 - Prohibited practices
 - Specialized tools
 - Personal Protective Equipment
- Module 6: Cleaning activities and checking your work
 - Effective cleanup
 - Inspection of interior and exterior
 - Disposal
- Module 7: Recordkeeping
 - Records requirements
 - Confirmation of receipt
 - Reporting requirements

Field Training

- Breakdown and cleanup process
- Visual inspection
- Cleaning verification procedure
- Module 8: Training non-certified renovation workers
 - Training responsibility
 - Certified and non-certified roles
 - Teaching lead safety
 - Training documentation
- **Final Review**
- **Written Exam**

Assessments: At the conclusion of the course, students will be given a written exam. A 72% or higher is required to pass the exam. Passing the exam is required to receive EPA-RRP certification and the ECA Certificate of Achievement.

Materials:

- United State Environmental Protection Agency & United States Department of Housing and Urban Development. (2009). *Lead safety for renovation, repair, and painting: Model certified renovator initial training course*. ehsmaterials.com