

Review Topics and Key Points:

RRP Rule: Containment / Don't Generate a Lot of Dust / Clean, Clean, Clean

Lead Based Paint – 1 milligram per square centimeter or 0.5% by weight

High Risk Groups – Children under 6 years of age and Pregnant Women

Health Risks – Children: brain and central nervous system, kidney damage, low IQ, learning difficulties, behavior problems and hyperactivity. Pregnant Women: miscarriage, premature births, brain damage, low birth weight. Adults: high blood pressure, loss of sex drive/ fertility, physical fatigue.

Lead Dust – Dust levels are measured in micrograms (μg) (1 millionth of a gram)

Dust Clearance Levels:	Floors	40 $\mu\text{g}/\text{sq ft}$
	Window Sills (interior)	250 $\mu\text{g}/\text{sq ft}$
	Window Troughs	400 $\mu\text{g}/\text{sq ft}$

Lead Dust Example: If you have one gram of dust and 0.5 percent of it is Lead by weight, then how big of an area of floor could it contaminate based on the HUD Dust Clearance Level of 40 $\mu\text{g}/\text{sq ft}$?

1 gram = 1,000,000 μg (micrograms) \times .005 = 5,000 μg (micrograms) of lead
 5,000 μg (micrograms) / 40 $\mu\text{g}/\text{sq ft}$ = 125 sq. ft of floor could be contaminated by 1 gram of dust

Target Housing – Pre-1978 Residential Housing

Child Occupied Facility = 6-6-60 Rule (1) Same Child/ Under 6 years of age, (2) Visits at least 2 days per week for at least 3 hours per visit (6 Hrs/wk), (3) Total of 60 hours per year.

Minor Repair and Maintenance Activities are not covered by RRP Rule

EPA Rules - \leq 6 sq ft. / room \leq 20 sq ft / exterior total

HUD Rules - \leq 2 sq ft. / room \leq 20 sq ft. / exterior total or (10% of a component)

Repair and Maintenance Activities that always trigger the RRP Rule

- 1) Window Replacement
- 2) Demolition
- 3) Use of Prohibited Practices

30 Day Rule – Any activity recurring within 30 days at the same location is considered the same job.

60 Day Rule – You must start the job within 60 days of delivering the Renovate Right or you have to make a second delivery.

Abatement – Permanently Remove the Lead Hazard

Renovation Repair and Painting (RRP) – Manage the Hazard while working

How to Minimize Dust

- 1) Wet sanding and scraping
- 2) Scoring before removal
- 3) Pry and pull apart rather than break components
- 4) Do not use Prohibited Practices

Prohibited Practices

- 1) Open flame burning or torching
- 2) Heat Guns Above 1100 degrees F
- 3) High speed Paint Removal Machines: Sanders, Grinders, Planers, Needle Guns, Abrasive Blasters or Sand Blasters w/o HEPA vacuum attachment

Additional HUD Prohibited Practices

- 1) HUD – Heat Guns that char the paint
- 2) HUD – Extensive dry scraping and sanding by hand (except 1ft from electrical outlets)
- 3) HUD -Paint Stripping in poorly ventilated space with volatile paint strippers

5 Years – Renovators must be Recertified (Firms also unless State Program)

3 Years – All records must be kept for 3 years from job completion date

Containment - 6 feet minimum from perimeter of disturbance for interior work

- 10 feet minimum from perimeter of disturbance for exterior work
- Warning Tape/Rope to create a 20 ft perimeter for exterior work
- Windows and Doors closed within 20 ft of disturbance exterior
- Windows closed and doors sealed within interior work areas

Cleaning - plastic must be misted before folding and removal

- clean 2 feet beyond the contained area for interior work
- cleaning is done from top of wall to the floor

Cleaning Verification

- visual inspection can only be done by Certified Renovator
- cleaning verification can only be done by Certified Renovator
- one cleaning wipe is user for each window sill
- break floors and counter tops into sections of 40 sq ft or smaller and use one wipe per section
- Clearance must be done on HUD jobs, Dust Wipe samples are taken