



### The Legacy of Lead

- Lead poisoning can cause damage to the brain and nervous system, the heart and red blood cells leading to:
  - Learning Disabilities
  - Lowered I.Q.
  - Hyperactivity
  - Attention Deficit Disorder
  - Speech Delay
  - Hearing Loss
  - Slowed or Reduced Growth
  - Behavioral Problems
  - Violent or Aggressive Behavior
- Lead poisoning can persist and have long-term impacts;
- Impacts can be minimized if identified early enough for effective intervention.

Statewide Problem

More than 44,000 Children Poisoned Since 1996



Association with Older Housing

Oshkosh

**Cities Having the Highest Percentage of Tested Children Poisoned**  
Cities with 30 or more Children Tested 2003 through 2008

City	Percent Poisoned	City	Percent Poisoned
Waldo	9.8	Cassville	5.1
Milwaukee	9.1	South Wayne	5.1
Norwalk	6.6	Reeseville	5.0
Bagley	6.3	Blanchardville	5.0
Dalton	5.9	Avoca	5.0
Hazel Green	5.8	Racine	5.0
Hurley	5.8	Shullsburg	4.7
Gratiot	5.4	Cascade	4.4
Sheboygan	5.2	Horicon	4.3
Lancaster	5.1	Browntown	4.3



## Before 2008

Before 2008 lead rules applied to:

- Abatement
- HUD funded

Before 2008 renovations were not subject to lead rules.

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## After 2008 Renovations are Subject to EPA Rule

- June 23, 2008 Protect Your Family or Renovate Right must be used.
- **December 22, 2008 must use Renovate Right.**
- April 22, 2009 Trainers may apply to EPA for accreditation.
- October 22, 2009 renovation firms may apply for certification.
- April 22, 2010 Test Kits Available
- April 22, 2010 Rule fully operational

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## Who Must Follow Rule?

- Residential rental property owners/managers
- General contractors
- Special trade contractors including
  - Painters
  - Plumbers
  - Carpenters
  - Electricians




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## What Activities are Subject to Rule?

In general any activity that disturbs paint in pre-1978 housing or child occupied facilities including:

- Remodeling and repair/maintenance
- Electrical work
- Plumbing
- Painting
- Carpentry
- Window replacement



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## What Buildings are Covered?

Target Housing:  
Residential housing built before 1978, except housing for elderly or disabled, and 0 bedroom dwellings.


Child Occupied Facility:  
A building, or portion of a building, built before 1978 regularly visited by the same child under age six (**including schools**)



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## EPA Rule Excludes:

- **Work that is only on components determined to be lead-paint free.**
- **Minor repairs & maintenance**
  - Under 6 square feet per interior room
  - Under 20 square feet exterior
- **Emergency renovations, but cleanup per rule**
- **Owner occupant waiver.**



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## What's a Certified Renovator?

- Renovator- An individual who directly performs or, directs workers who perform renovations.
- Certified Renovator- A renovator who has successfully completed an accredited renovator course.
- A Certified Renovator must work for or be a Certified Firm.



## Certified Firm is responsible for the project:

- All workers are either **certified renovator** or trained by a **certified renovator**.
- Each renovation project has a designated **certified renovator** to comply with all responsibilities in the rule.
- All renovations by firm must be performed in accordance with safe work practice standards.



## Pre-Renovation Education Requirements

1. Explain how you will protect the residents
  - How you will set up to protect residents
  - How you will minimize dust
  - How you will leave work area clean
2. Distribute the pamphlet "**Renovate Right**"
  - Obtain confirmation of receipt
  - When working in common areas distribute renovation notices *and* post a sign for tenants.
  - Retain records for 3 years
3. Explain that occupants **must stay out of the work area** for duration of work – including pets.



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## Beginning April 2010

- Renovations must
  - Be performed by certified renovation firms
  - Use certified renovators and other workers that are supervised and lead-safe trained
  - Use lead-safe work practices.
- 8-hour lead renovator class
- Re-certification every 5 years

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## Set Up Safe Work Areas



- Appropriate personal protective equipment - eyewear, clothing, and respiratory protection
- Right materials and equipment for the job
- Work area contained so no dust or debris leaves the work area & personal belongings removed or sealed in plastic

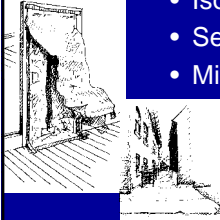
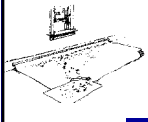
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## Tools and Supplies

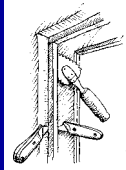
- Barriers and signs
- Tape / stapler
- Heavy plastic sheeting
- Utility knife / scissors
- Wet/dry sandpaper, sanding sponge
- Misting bottle, pump sprayer
- Low-temperature heat gun
- Power tools with HEPA filter-equipped vacuum attachments
- Heavy-duty plastic bags
- **HEPA vacuum cleaner**
- Paper towels / disposable wipes
- Mop / disposable mop heads or Swiffer-style mop and pads
- General-purpose cleaner
- Buckets
- Personal Protective Equipment
  - Eye wear
  - Painters' hats
  - Gloves
  - Coveralls
  - Disposable shoe covers
  - N-100 disposable respirator

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## Use Lead Safe Work Practices

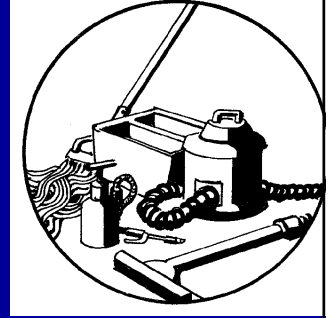


- Keep untrained workers and residents **out** of the work area.
- Use plastic sheeting.
- Isolate the work area.
- Seal vents.
- Minimize dust.



## Leave the Work Area Clean Daily

- **Don't bring lead home to your family.**
- Remind residents to stay out of the work area when you're gone.



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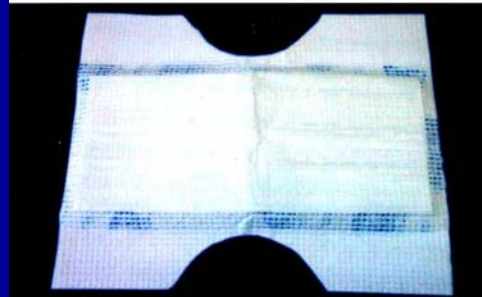
## When the Job is Complete

- Clean thoroughly and carefully. **Lead dust is hazardous in amounts too small to see.**
- Verify cleaning by visual inspection of the exterior and interior.



## Conduct cleaning verification.

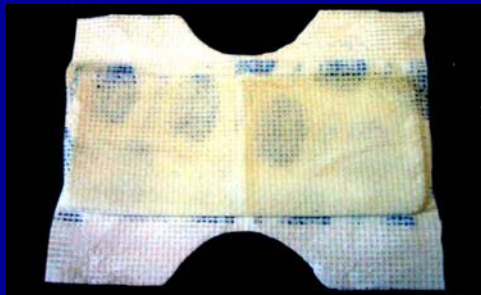
EPA Post-Renovation Cleaning Verification Card



Unused Wet Disposable Cleaning Cloth

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## Conduct cleaning verification.



Marginally Passing Wet Disposable Cleaning Cloth

## Records

Must maintain records for 3 years after completion of renovation.

- Proof of exemption from requirements, if applicable
- Certification of lead free property
- Owner-occupant signed statement opting out of lead safe-work practices



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## Wisconsin Lead Rules

Current Wisconsin Rule, DHS 163, "Certification for the Identification, Removal and Reduction of Lead-Based Paint Hazards" **does not regulate renovation activities.**

Wisconsin plans to develop its own RRP program, revise WI lead rule, and apply to EPA for program authorization.

EPA will approve WI to administer its own program in lieu of the Federal program *if* our rule is **at least as protective of human health and environment** as the EPA rule.

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## Contact EPA for details

### Renovate Right:

[www.epa.gov/lead/pubs/renovaterightbrochure.pdf](http://www.epa.gov/lead/pubs/renovaterightbrochure.pdf)

### Small Entity Compliance Guide

[www.epa.gov/lead/pubs/sbcomplianceguide.pdf](http://www.epa.gov/lead/pubs/sbcomplianceguide.pdf)

### Questions: John Wsol- EPA Region 5-Lead Team

(312) 353-5685



Google EPA renovate right

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## For more Wisconsin information

Contact the DHS Asbestos and Lead Section: 608-261-6876

Contact Steve Antholt: **608-261-4949**

[www.dhs.wisconsin.gov/asbestos](http://www.dhs.wisconsin.gov/asbestos)

[www.dhs.wisconsin.gov/lead](http://www.dhs.wisconsin.gov/lead)

GOOGLE: WI asbestos or WI lead

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