

CONNECTICUT DEPARTMENT OF PUBLIC HEALTH



An Overview of Adopting Statute and Regulation Changes

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State of CT DPH
March 22, 2024



Agenda

- Legislation impacting lead
 - Dust wipe regulations
 - XRF definition
 - Public Act 22-49
 - Public Act 23-31
- Educational Materials





CONNECTICUT DEPARTMENT OF PUBLIC HEALTH



Dust Wipe Regulations





New adopted levels for dust

	Floor	Sill	Well
Risk Assessment Dust Hazards Standards	> 10 µg/ft ² (was 40)	> 100 µg/ft² (was 250)	n/a
Post-Abatement Clearance Dust Standards	< 10 µg/ft ² (was 40)	< 100 µg/ft² (was 250)	< 400 µg/ft ² (no change)



Circular Letter 2023-37

STATE OF CONNECTICUT

Manisha Juthani, MD Commissioner



Ned Lamont Governor Susan Bysiewicz

EHS Circular Letter 2023-37

DATE:

August 14, 2023

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Directors of Health, Lead Inspector/Risk Assessor Code Enforcement Officials, Licensed Lead Consultants, Licensed Lead Abatement Contractors, Licensed Training Providers

FROM:

Kimberly Ploszaj, Supervising Environmental Analyst, Lead Poisoning Prevention Program

CT regulation adoption for: X-ray fluorescence analyzer definition update and adjusts dust lead

: CI

hazard and dust lead clearance levels standards

The Department of Public Health has adopted amendments to section 19a-111-1 and sections 19a-111-3 and 19a-111-4

 The adoption of the amendment to section 19a-111-1 allows for the use of modern analytical instruments in lead inspections.

(62) "X-ray fluorescence analyzer (XRF)" means an analytical instrument that measures lead concentration of dried paint on surfaces or in a laboratory sample in milligrams per square centimeter (mw/cm²)

The language of "using a radioactive source within the instrument" has been removed.

 The adoption of the amendments to section 19a-111-3 and 19a-111-4, revises Connecticut's lead dust hazard and clearance levels to the updated levels recently adopted by the US Environmental Protection Agency (EPA) as outlined in 40 CFR 4/5.

Conforming to the lower EPA standards helps to protect Connecticut's children from the dangers of lead



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New dust wipe hazards

The adoption of the amendments to section 19a-111-3 and 19a-111-4, revises Connecticut's lead dust hazard and clearance levels to the updated levels recently adopted by the US Environmental Protection Agency (EPA) as outlined in 40 CFR 745.

(j) **Dust-lead hazard** – For the purpose of assessing the level of risk from lead dust, a dust-lead hazard is surface dust in a residential dwelling or child-occupied facility that contains concentrations of lead on floors and window sills that equal or exceed the dust lead hazard concentrations specified in 40 CFR 745, as amended from time to time.

(Effective September 29, 1992; Amended July 25, 1997; Amended September 30, 2003; Amended August 10, 2023)

New dust wipe clearance

The adoption of the amendments to section 19a-111-3 and 19a-111-4, revises Connecticut's lead dust hazard and clearance levels to the updated levels recently adopted by the US Environmental Protection Agency (EPA) as outlined in 40 CFR 745.

(2) Samples of dust shall be collected at the following locations in each room or area where lead-based paint has been abated. Additionally, if only a portion of a dwelling unit has been abated, a sample shall be collected from the floor outside the containment within ten (10) feet of the entrance to the abatement area upon completion of abatement activities. Any samples collected under this section shall have lead in dust levels that are below the clearance criteria for reoccupancy, as specified in 40 CFR 745, as amended from time to time.

XRF Definition Change



XRF definition change

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CONNECTICUT DEPARTMENT OF PUBLIC HEALTH



Summary of Childhood Lead Poisoning Prevention Program changes effective 1/1/23

Public Act 22-49

Summary of Changes

- Test any child between 9 months to 35 months annually
- Medical professionals and clinical laboratories report to the CT DPH and local health departments, any blood lead level ≥ 3.5 µg/dL within 48 hours
- Local health departments must provide educational materials to parents and/or guardians of children with blood lead levels ≥ 3.5 µg/dL (capillary and venous)
- Providers shall make reasonable efforts to notify the parent or guardian of a child less than the age of 3, with blood lead levels ≥ 3.5 µg/dL
- Any child between 36 months to 72 months of age if enrolled in medical assistance or is a resident in a high-risk municipality including areas with older housing stock and high prevalence of children's blood lead levels > 5 μg/dL, shall be tested annually



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Phase in actions at lower blood lead levels

Time effective	One (1) confirmed venous blood test (Epidemiological Investigation)	Two (2) confirmed venous blood tests, taken at least 3 months apart (Onsi Vior Remed.
January 1, 2023 to December 31, 2023	≥ 15 µg/dL	(2) ≥ 10 μg 15 μg/dL
January 1, 2024 to December 31, 2024	≥ 10 µg/dL	(2) ≥ July YdL
After January 1, 2025	≥ 5 µg/dL	n/a





Summary of Childhood Lead Poisoning Prevention Program changes effective 10/1/23

Public Act 23-31

Summary of Changes

- Medical professionals notify parents of any blood level
 ≥ 3.5 μg/dL within 24 hours
- SDE must update school entrance form to make lead a 'mandatory' field (will not prevent entry into school)
- LHDs to perform on-site inspection and order remediation
- Create screening program for pregnant persons





On-Site Inspection

 Section 19a-110(a) of the general statutes, an <u>on-site inspection</u> is defined as:

"an <u>examination</u> of a residential dwelling to identify <u>lead hazards</u>, including, but not limited to, an examination of the dwelling for <u>deteriorating paint</u>, <u>lead dust</u>, <u>bare soil near the perimeter of the dwelling</u>, <u>household items that may present a potential lead risk</u>, <u>such as toys</u>, <u>cookware</u>, <u>food products and cosmetics</u>, and an inquiry into the water system serving the dwelling"

Section 19a-110(a) of the general statutes, <u>remediation</u> is defined as:

"the process of *remedying a lead hazard condition*, including, but not limited to, <u>investigation</u>, <u>abatement</u> and, if appropriate, <u>ongoing management measures</u>"



Phase in actions at lower blood lead levels

Time effective *10/1/23 to 12/31/24	One (1) confirmed venous blood test (Epidemiological Investigation)	One (1) confirmed venous blood (Onsite Inspection and Remediation)
*10/1/23 to 12/31/23	≥ 15 µg/dL	(1) ≥ 10 μg/dL but < 15 μg/dL
*1/1/24 to 12/31/24	≥ 10 µg/dL	(1) ≥ 5 μg/dL but < 10 μg/dL
After 1/1/25	≥ 5 µg/dL	n/a



On-site inspection environmental form

	I	SUMMARY FORM For On-Site Inspections	
PROPERTY INSPECT	ED/TESTED		
(Check): Single-Fa	amily Attached	☐ Single-Family Detach	ed
☐ Multi-Fa	amily Home	☐ Multi-use Building	
Street Address:			Apt.#/Floor:
City/Town:			Zip Code:
If Apartment, Number of	Units:	Year Property Built:	
PROPERTY OWNER			
Name:			
Street Address:		City:	
State:	Zip Code:	Telepho	ne:
Inspector's Name:			
A. IF CODE ENFOR Department Name: Inspector's Name: Telephone: B. IF CONSULTAN	I CONTRACTOR:		
A. IF CODE ENFOR Department Name: Inspector's Name: Telephone: B. IF CONSULTAN Company Name:	T CONTRACTOR:		
A. IF CODE ENFOR Department Name: Inspector's Name: Telephone: B. IF CONSULTAN' Company Name: Address:	T CONTRACTOR:		
A. IF CODE ENFOR Department Name: Inspector's Name: Telephone: B. IF CONSULTAN' Company Name: Address: City/Town, State:	T CONTRACTOR:		Zip Code:
A. IF CODE ENFOR Department Name: Inspector's Name: Telephone: B. IF CONSULTAN' Company Name: Address: City/Town, State: Inspector's Name:	T CONTRACTOR:		Zip Code:
A. IF CODE ENFOR Department Name: Inspector's Name: Telephone: B. IF CONSULTAN' Company Name: Address: City/Town, State: Inspector's Name: Telephone:	T CONTRACTOR:		Zip Code:

Captures:

- Family housing info
- Property owner
- Paint condition
- Dust wipe sample locations
- Dust wipe results

Intended to provide what potential lead hazards are in the home

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On-site inspection child form

Paint	and soil exposure:
1.	What is the age and general condition of the residence?
2.	Is there evidence of chewed or peeling paint on woodwork, furniture, or toys? Yes No If yes, where?
3.	How long has the family lived at this residence?
4.	Have there been recent renovations or repairs in the house? Yes No If yes, in what area?
5.	Are there other sites where the child spends significant amounts of time?
6.	What is the condition of indoor play areas? Intact Paint Chipping/Peeling Pain
7.	Do outdoor play areas contain bare soil that may be contaminated? Yes No
8.	How does the family attempt to control dust/dirt?
Releva	ant behavioral characteristics of the child:
1.	To what degree does the child exhibit hand-to-mouth activity?
2.	Does the child exhibit pica (chewing or eating of non-food items)? Yes No
3.	Are the child's hands washed before meals and snacks? Yes No
Expos	ures to and behaviors of household members
1.	Do any of the adults living in home work in or do any of the following?
	lead smelter machining or grinding of lead alloys
	battery or radiator manufacturing home renovation/remodeling
	demolition of old structures steel bridge maintenance
	welding or cutting of old painted metal thermal stripping/sanding of paint

Captures:

- Condition of residence
- Where the child spends time
- Dust/Dirt control
- Child behaviors
- Occupations/Hobbies

Intended to provide what potential lead hazards are in the home

Educational Materials





Requirements of landlords and lead abatement contractors

Preparing for abatement

For more information





Lead Abatement in Your Home

Lead hazards have been identified in your home. Lead abatement is required to correct the lead hazards to protect you and others in your home.

Here are other ways tenants can reduce exposure to lead at home:

- · Use a wet cloth with soap and water to clean surfaces
- . Take shoes off at the door
- Increase hand washing
- Avoid areas that have chipping and peeling paint

If you have any questions, please contact your landlord or your local health department.





Abatement Materials



Staying Safe Before Lead Abatement Begins

How to protect children

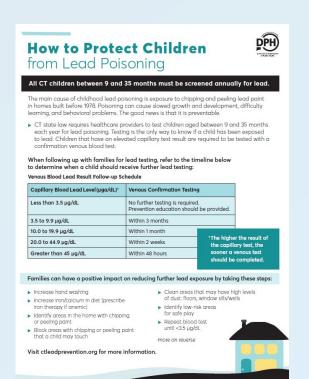
Tips for tenants







Lead Screening: Children





Lead Screening: Pregnancy

Prenatal Lead Exposure Is Preventable Lead can be passed from parents to their unborn baby, but it's 100% preventable Maternal lead exposure is associated with hypertension, premature birth, decreased fetal growth, and miscarriage. Fetal exposure may adversely affect neurodevelopment. At the first prenatal visit, educate your patients on lead prevention and test those determined to be at risk. *Report blood lead levels ≥ 35 µg/dL to the Connecticut Department of Public Health by fax to (959) 200-4751. Please indicate that this patient is pregnant. To discuss a case, call (960) 509-7299. Lead Risk Assessment Questions: the following are questions you can ask patients to help assess their risk of lead exposure: ► Have you ever been tested for lead poisoning? If yes, was your blood lead level high? ► Were you born outside of the United States? ► In the past 12 months, have you spent any time outside of the United States? ► At any time during your pregnancy, did you act, new on or put in your mouth nonfood items such as clay, pottery, soil or point chips? ► In the last 12 months, have there been any renovations/repairs in your home?

▶ Do you have, or have you ever had, a job or hobby that could expose you to lead? (e.g., bridge repair, home repair and renovation, automotive or electronic repair, working with firearms, etc.)

If the patient answers "YES" to any of the questions above, test them for lead. Please refer to the table on the reverse for recommended care actions and follow-up depending on the blood lead level measured.

Are there other adults in your home that have a job or hobby that could expose you to lead?





COMMUNICATION







Questions

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