

Kansas Administrative Regulations

Department of Health and Environment

Article 72.—Residential Childhood Lead Poisoning Prevention Program

28-72-18d. Work practice standards; lead abatement: removal.

(a) Removal strategies. Acceptable removal strategies shall include the following:

(1) Manual wet strategies. Manual wet scraping or manual wet sanding shall be acceptable for the removal of lead surface coatings.

(2) Mechanical removal strategies. Using power tools that are HEPA-shrouded or locally exhausted shall be acceptable removal strategies for lead surface coatings. HEPA-shrouded or exhausted mechanical abrasion devices, including sanders, saws, drills, roto-peens, vacuum blasters, and needle guns shall be acceptable.

(3) Chemical removal strategies. Chemical strippers shall be used in compliance with the manufacturer's recommendations.

(b) Soil abatement. When soil abatement is conducted, the lead-bearing soil shall be removed, tilled, or permanently covered in place as indicated in this subsection.

(1) Removed soil shall be replaced with fill material containing no more than 100 ppm of lead. Soil that is removed shall not be reused as topsoil.

(2) If tilling is selected, soil in a child-accessible area shall be tilled to a depth that results in less than 400 ppm lead of the homogenized soil, or other concentrations approved by the department. Soil in an area not accessible to children shall be tilled to a depth that results in less than 1,200 ppm lead of the homogenized soil.

(3) "Permanently covered soil" shall have the meaning specified in K.A.R. 28-72-1p(c).

(4) Soil abatement shall be conducted to prevent lead-contaminated soil from being blown from the site or from being carried away by water runoff or through percolation to groundwater.

(c) Interior removal. When conducting a lead abatement project using the removal strategy on interior surfaces, the certified lead professional or licensed firm shall meet the following minimum requirements:

(1) The site shall be prepared by first establishing a regulated area using fencing, barrier tape, or other appropriate barriers. The regulated area shall be marked to prevent uncertified personnel and the general public from approaching closer than 20 feet to the abatement project.

(2) Signs shall be posted at all entrances to the regulated area and shall include the words "WARNING: LEAD AREA. POISON. NO SMOKING OR EATING" in bold lettering at least two inches tall, with additional language or symbols prohibiting entrance to the regulated area by uncertified personnel and the general public. All signs shall be in a language that is easily recognized by all certified lead professionals and by members of the general public where the lead abatement activities are taking place.

(3) Each heating and cooling system within the regulated area shall be shut down and the vents shall be sealed with 6-mil polyethylene sheeting to prevent lead dust accumulation within the system.

(4) All items within the regulated area shall be cleaned by HEPA vacuuming or wet wiping with a cleaning solution, or both. Items shall then be either removed from the area or covered with 6-mil polyethylene sheeting and sealed with duct tape.

(5) All windows below and within the regulated area shall be closed.

(6) A critical barrier shall be constructed.

(7) At least two layers of 6-mil, or thicker, polyethylene sheeting shall be placed on the floor at the base of the component and shall extend at least 10 feet beyond the perimeter of the component being abated. If the chemical strategy is used, the certified lead professional or licensed firm shall follow the manufacturer's recommendations regarding a chemical-resistant floor cover.

(8) All equipment used in the regulated area shall be thoroughly cleaned with a cleaning solution or vacuumed with a HEPA vacuum, or both, before removal from the regulated area.

(9) At the end of each work shift, the top layer of 6-mil polyethylene sheeting shall be removed and used to wrap and contain the debris generated by the shift. The 6-mil

polyethylene sheeting shall then be sealed with duct tape and kept in a secured area until final disposal. The second layer of 6-mil polyethylene sheeting shall be HEPA vacuumed, left in place, and used during the next shift. A single layer of 6-mil polyethylene sheeting shall be placed on this remaining polyethylene sheeting before lead abatement resumes.

(10) After the removal is complete, the regulated area shall be cleaned by vacuuming with a HEPA vacuum, wiping down all surfaces with a cleaning solution, rinsing all surfaces, and then HEPA vacuuming the area again. Cleaning shall begin at the end of the work area farthest from the entrance to the area and from the top to the bottom of the regulated area.

(d) Exterior removal. When conducting a lead abatement project using the removal strategy on exterior surfaces, these minimum requirements shall be met:

(1) The site shall be prepared by first establishing a regulated area using fencing, barrier tape, or other appropriate barriers. The regulated area shall be marked to prevent uncertified personnel and the general public from approaching closer than 20 feet to the abatement project.

(2) Signs shall be posted at all entrances to the regulated area and shall include the words "WARNING: LEAD AREA. POISON. NO SMOKING OR EATING" in bold lettering at least two inches tall, with additional language or symbols prohibiting entry to the regulated area by uncertified personnel. All signs shall be in a language that is easily recognized by all certified lead professionals and by members of the general public where the abatement activities are taking place.

(3) All movable items shall be moved 20 feet from working surfaces. Items that cannot be readily moved 20 feet from working surfaces shall be covered with 6-mil polyethylene sheeting and sealed with duct tape.

(4) At least one layer of 6-mil, or thicker, polyethylene sheeting shall be placed on the ground and shall extend at least 10 feet from the abated surface, plus another five feet out for each additional 10 feet in surface height over 20 feet. In addition, the polyethylene sheeting shall meet the following criteria:

(A) Be securely attached to the side of the building, with cover provided to all ground plants and shrubs in the regulated area;

- (B) be protected from tearing or perforating;
 - (C) contain any water, including rainfall, that may accumulate during the lead abatement; and
 - (D) be weighted down to prevent disruption by wind gusts.
- (5) All windows in the regulated area and all windows below and within 20 feet of working surfaces shall be closed.
- (6) Work shall cease if constant wind speeds are greater than 15 miles per hour.
- (7) Work shall cease and cleanup shall occur if rain begins.
- (8) All equipment used in the regulated area shall be thoroughly cleaned with a cleaning solution or vacuumed with a HEPA vacuum, or both, before removal from the regulated area.
- (9) The regulated area shall be HEPA vacuumed and cleaned of lead-based paint chips, polyethylene sheeting, and other debris generated by the abatement project work at the end of each workday. Debris shall be kept in a secured area until final disposal. (Authorized by and implementing K.S.A. 65-1,202; effective, T-28-9-13-99, Sept. 13, 1999; effective Jan. 7, 2000; amended April 9, 2010.)

***** Authenticated Kansas Administrative Regulation *****