

Regulation 3514: Environmental Safety

Status: ADOPTED

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Indoor Air Quality

In order to provide proper ventilation, humidity, and temperature in school facilities and to reduce indoor air contaminants, following strategies shall be implemented:

1. Mechanically driven heating, ventilation, and air conditioning systems shall be operated during working hours as per code. The systems shall be inspected at least annually and problems corrected within a reasonable time. Where the air supply is filtered, the filters shall be replaced or cleaned regularly to prevent significant reductions in airflow. Documentation of inspections, tests of ventilation rates, and maintenance shall be retained for at least five years. (8 CCR 5142-5143)

Staff shall ensure that airflow is not obstructed by the blocking of ventilators with posters, furniture, books, or other obstacles.

2. School facilities shall be regularly inspected for water damage, spills, leaks in plumbing and roofs, poor drainage, and improper ventilation so as to preclude the buildup of mold and mildew and prevent accidents due to unsafe conditions. Wet building materials and furnishings shall be dried within 48 hours if possible to prevent mold growth. When evidence of mold or mildew is found, maintenance staff shall locate and repair the source of water intrusion and remove or clean moldy materials.
3. Exterior wall and foundation cracks and openings shall be sealed as soon as possible to minimize seepage of radon into buildings from surrounding soils.
4. Least toxic pest management practices shall be used to control and manage pests at school sites. (Education Code 17608-17614; Food and Agriculture Code 13182)
5. A carbon monoxide detector or alarm shall be installed in all school buildings that contain a fuel-burning appliance, fireplace, or forced-air furnace, unless otherwise exempted by state law or regulations. The device or alarm shall be located in close proximity to the appliance in order to accurately detect and alert school personnel of any leakage of carbon monoxide. (24 CCR 915.1-915.7)
6. Schedules and practices for routine housekeeping and maintenance shall be designed to effectively reduce levels of dust, dirt, and debris. Plain water, soap and water, or low-emission cleaning products shall be used whenever possible. Aerosols, including air fresheners and other products containing ozone, shall be avoided to the extent possible.
7. Painting of school facilities and maintenance or repair activities that require the use of potentially harmful substances shall be limited to those times when school is not in session. Following any such activity, the facility shall be properly ventilated with adequate time allowed prior to reopening for use by any person.
8. Paints, adhesives, and solvents shall be used and stored in well-ventilated areas. These items shall be purchased in small quantities to avoid storage exposure.
9. To the extent possible, printing and duplicating equipment that may generate indoor air pollutants, such as methyl alcohol or ammonia, shall be placed in locations that are well ventilated and not frequented by students and staff.
10. The district's tobacco-free schools policy shall be consistently enforced in order to reduce the health risks caused by second-hand smoke.
11. Staff and students may be asked to refrain from bringing common irritants such as furred or feathered animals, stuffed toys that may collect dust mites, scented candles, incense, or air fresheners and from using perfume or cologne, scented lotion or hair spray, nail polish or nail polish remover, or other personal care products that are not fragrance-free in classrooms, school buses, or other enclosed areas or buildings.

Outdoor Air Quality

The Superintendent or designee may coordinate with the local air resources control board and monitor local health advisories and outdoor air quality alerts to obtain forecasts of ozone levels, particle pollution, ultraviolet radiation levels, and/or temperature and humidity.

Whenever a forecast indicates a significant health risk, the Superintendent or designee shall communicate with each principal so that outdoor activities, especially those requiring prolonged or heavy exertion, may be avoided, limited in duration, or modified as necessary for all persons or for persons who may be particularly susceptible to the health risk involved.

Reduction of Vehicle Emissions

In order to reduce public exposure to toxic air contaminants, school bus drivers and other drivers of commercial motor vehicles shall limit unnecessary idling of vehicles at or near schools in accordance with 13 CCR 2480. The Superintendent or designee may also request parents/guardians to turn off their vehicles when they are idling on school grounds and encourage students to walk and/or bicycle to school.

Any school bus that is diesel-fueled, dual-fueled, or alternative diesel-fueled and has a gross vehicle weight rating over 14,000 pounds shall be equipped with a particulate filter designed to reduce particulate matter emissions, oxides of nitrogen emissions, and other pollutants. (13 CCR 2025)

Drinking Water Safety

The quality and safety of the district's drinking water sources shall be regularly assessed, and drinking fountains shall be regularly cleaned and maintained, to ensure that drinking water consumed at school does not contain dirt, mold, lead, or other impurities or contaminants that may cause serious health concerns.

Whenever any contaminants in the drinking water are determined to be a concern, the Superintendent or designee shall take reasonable steps to identify the source and mitigate any potential problem to ensure the availability of safe drinking water. As needed, the Superintendent or designee shall provide alternative sources of drinking water, such as bottled water or on-site water filtration, to ensure that students have access to fresh drinking water at mealtimes and at other times throughout the day.

Whenever testing of drinking water finds concentrations of lead that exceed federal and state standards, the Superintendent or designee shall notify parents/guardians and take immediate steps to shut down and make inoperable any fountains or faucets where excess lead levels may exist.

Prevention of Lead Exposure

In addition to testing for the presence of lead in drinking water in district schools, the following steps shall be taken to minimize potential exposure to lead in school facilities:

1. School facilities shall be kept as dust-free and clean as possible.
2. Lead-based paint, lead plumbing and solders, or other potential sources of lead contamination shall not be used in the construction of any new school facility or the modernization or renovation of any existing school facility. (Education Code 32244)
3. Lead exposure hazards shall be evaluated before any renovation or remodeling is begun, and children shall not be allowed in or near buildings in which these activities may create lead dust. Contractors and workers shall comply with state and federal standards related to the handling and disposal of lead debris and the clean-up and containment of dust within the construction area.
4. Lead-based painted surfaces that are in good condition shall be kept intact. If lead-based paint is peeling, flaking, or chalking, contractors or workers shall follow state and federal standards for safe work practices to minimize contamination when removing the paint.
5. Soil with low lead content may be covered with grass, other plantings, concrete, or asphalt. For soil with high lead content, removal and abatement are required.

Any action to abate existing lead hazards shall be taken only by contractors, inspectors, and workers certified by the California Department of Public Health in accordance with 17 CCR 35001-35099. (Education Code 32243)

The Superintendent or designee shall notify parent/guardians, teachers, and staff members if significant risk factors for lead exposure are found. (Education Code 32243)

Prevention of Mercury Exposure

The Superintendent or designee shall identify any mercury-containing products that are present in district facilities and, to the extent possible, shall replace them with mercury-free alternatives.

In the event of a spill, staff shall evacuate all students from the immediate area of the spill, ensure that any clothing or other items with mercury on them remain in the room, open windows to the outside, and close doors to other parts of the school. Staff who are trained in proper clean-up procedures may carefully clean a small spill. As needed for larger or difficult-to-clean spills, the Superintendent or designee shall use an experienced professional referred by the local health department or environmental agency.

Any products containing mercury shall be properly disposed at an appropriate hazardous waste collection facility.

Asbestos Management

The Superintendent shall designate an employee who shall ensure that the district's responsibilities related to asbestos inspection and abatement are implemented in accordance with federal and state regulations. This employee shall receive adequate training to perform these duties, including, as necessary, training on the health effects of asbestos; detection, identification, and assessment of asbestos-containing building materials; options for controlling asbestos-containing building materials; asbestos management programs; and relevant federal and state regulations. (40 CFR 763.84)

The designated employee shall ensure that the district complies with the following requirements:

1. School facilities shall be inspected for asbestos-containing building materials as necessary in accordance with the following:
 - a. Any school building that is leased, acquired, or otherwise used by the district shall be inspected for asbestos-containing building materials prior to its use as a school building, unless exempted by federal regulations. (40 CFR 763.85, 763.99)
 - b. At least once every six months, the district shall conduct a periodic surveillance consisting of a visual inspection of each school building that contains or is assumed to contain asbestos-containing building materials. (40 CFR 763.92)
 - c. At least once every three years, the district shall conduct a re-inspection of all known or assumed asbestos-containing building materials in each school building. (40 CFR 763.85)
2. Based on the results of the inspection, an appropriate response which is sufficient to protect human health and the environment shall be determined from among the options specified in 40 CFR 763.90. The district may select the least burdensome response, taking into consideration local circumstances, including occupancy and use patterns within the school building and economic concerns such as short-term and long-term costs. (40 CFR 763.90)
3. An asbestos management plan for each school site shall be maintained and regularly updated to keep it current with ongoing operations and maintenance, periodic surveillance, inspection, re-inspection, and response action activities. (15 USC 2643; 40 CFR 763.93)

The asbestos management plan shall be available for inspection in district and school offices during normal business hours. Parent/guardian, teacher, and employee organizations shall be annually informed of the availability of these plans. (40 CFR 763.84, 763.93)

4. Staff, students, and parents/guardians shall be informed at least once each school year about any inspections, response actions, and post-response actions, including periodic re-inspection and surveillance activities, that are planned or in progress. (40 CFR 763.84)
5. Inspections, re-inspections, periodic surveillance, and response actions, including operations and maintenance, shall be conducted in compliance with state and federal regulations for the protection and safety of workers and all other individuals. (Education Code 49410.5; 40 CFR 763.84, 763.90)

Asbestos inspection and abatement work, preparation of a management plan, and any maintenance activities that may disturb asbestos-containing building materials, except for emergency repairs or small-scale, short-duration maintenance activities, shall be completed by state-certified asbestos inspectors or contractors. (15 USC 2646; 40 CFR 763.84, 763.85, 763.91)

6. All custodial and maintenance employees shall be properly trained in accordance with applicable federal and/or state regulations. (40 CFR 763.84)

All district maintenance and custodial staff who may work in a building that contains asbestos-containing building materials, regardless of whether they are required to work with such materials, shall receive at least two hours of related asbestos awareness training. New maintenance and custodial staff shall receive such training within 60 days after beginning employment. Any maintenance or custodial staff who conduct activities that will disturb asbestos-containing building materials shall receive 14 hours of additional training. The trainings shall address the topics specified in 40 CFR 763.92. (15 USC 2655; 40 CFR 763.84, 763.92)

7. Short-term workers, such as telephone repair workers, utility workers, or exterminators, who may come in contact with asbestos in a school shall be provided information regarding the locations of known or suspected asbestos-containing building materials. (40 CFR 763.84)

8. Warning labels shall be posted immediately adjacent to any known or suspected asbestos-containing building material located in routine maintenance areas in accordance with 40 CFR 763.95. (40 CFR 763.84)

The district shall maintain, in both the district and school offices and for a period of three years, records pertaining to each preventive measure and response action taken; staff training; periodic surveillances conducted; cleaning, operations, and maintenance activities; and any fiber release episode. (40 CFR 763.94)
