Colorado Department
of Public Health
and Environment

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
Consumer Protection Division
6 CCR 1010-11
STATE BOARD OF HEALTH
Labor Camps

(Adopted June 18, 1968, effective August 1, 1968)

Colorado Department of Public Health and Environment
4300 Cherry Creek Drive South
Denver, CO 80222-1530

SANITARY STANDARDS AND REGULATIONS

FOR

LABOR CAMPS

1.0 ADMINISTRATION

1.1 AUTHORITY: Section 66-1-7 (l4), Colorado Revised Statutes 1963

1.2 ADOPTED: Colorado State Board of Health, June 18, 1968

1.3 EFFECTIVE DATE: August 1, 1968

2.0 DEFINITIONS

For the purpose of these regulations:

2.1 Labor camp, hereinafter referred to as "camp," includes one or more buildings or structures, trailers, tents or vehicles, together with any land appertaining thereto, established, operated or used as temporary living quarters for one or more persons engaged in agriculture, related food processing, industry, construction, commercial transportation or lumbering.

2.2 Person means an individual or group of individuals, association, partnership or corporation.

2.3 Camp operator means the person who owns, has charge, care or control of housing in labor camps as defined.

2.4 Shelter means any structure of one or more rooms, trailers, tents or vehicles which are used for sleeping or living quarters.

2.5 Habitable room means a room or enclosed floor space used or intended to be used for living, sleeping, cooking or eating purposes -- excluding bathrooms, toilets, laundries, pantries, foyers or connecting corridors, closets or storage space.

2.6 Sanitary facilities means toilets, privies, wash basins, showers, tubs, laundry tubs, urinals and the rooms provided for installation and use of these units.

2.7 Refuse means all combustible or noncombustible, putrescible or non-putrescible solid or liquid wastes, including garbage, rubbish, ashes and sewage.

2.8 Garbage means all putrescible animal and vegetable wastes resulting from the handling, preparation, cooking and consumption of food.

2.9 Dwelling unit means one or more habitable rooms which are occupied or designed to be occupied by one family and which provides facilities for living, sleeping, cooking or dining.

2.10 Family consists of two or more persons in the same household who are related to each other by blood, marriage or adoption.

2.11 Occupant means any person over one year of age, living, sleeping, cooking, eating or having actual possession of a building or part thereof.

2.12 Nuisance

The following shall be defined as nuisances:

a. Any public nuisance known at common law or in equity jurisprudence;

b. An attractive nuisance known at common law or in equity jurisprudence;

c. Whatever is dangerous to human life or detrimental to health;

d. Overcrowding a room with occupants;

e. Insufficient ventilation or illumination;

f. Inadequate or unsanitary sewerage or plumbing facilities;

g. Insanitary conditions;

h. Whatever renders air, food or drink unwholesome or detrimental to the health of human beings.

3.0 CAMP SITE

3.1 All camp sites shall be well drained, graded and surfaced where necessary, and free from depressions in which water may stagnate.

3.2 No camp shall be located on a site which is subject to or may cause health or safety hazards, unless acceptable safeguards are provided.

3.3 No camp structure shall be located less than 50 feet from any barns, pens or similar quarters for livestock or poultry.

4.0 WATER SUPPLY

4.1 The camp water system shall be designed, constructed and protected so as to assure that safe, potable and adequate water supply is produced for domestic purposes in compliance with Colorado Department of Public Health and Environment regulations.

4.2 No surface or cistern water supply shall be used except under conditions approved by the Colorado Department of Public Health and Environment. When such a facility is approved for use, water shall be obtained from an acceptable source and transported in an approved tank. Such stored water shall contain a chlorine residual of at least 0.3 p.p.m.

4.3 Well and cistern water supplies, not under pressure, shall be properly protected and provided with an enclosed, self-priming type pump. Open pitcher pumps are not permitted.

4.4 Where water is distributed under pressure, the water supply system shall deliver water at normal operating pressures (minimum 20 lbs. per square inch) to all fixtures at a rate of at least 20 percent of the total daily required volume needed for any one hour peak use period. The water supply system shall be capable of delivering at least 35 gallons of water per person per day.

4.5 Potable drinking water shall be readily available to both shed and field workers. The use of common drinking cups is prohibited. All tanks and receptacles used for storage or dispensing of water must be constructed so that water will be kept in a clean and sanitary condition.

4.6 Adequate facilities for providing hot water for bathing, laundering and dishwashing purposes shall be available in all camps.

4.7 In existing camps, all shelters or habitable areas shall be located within 100 feet of a water supply outlet. Drainage facilities shall be provided to accommodate the overflow or spillage from such outlets to prevent contamination or nuisance conditions.

4.8 In all camps hereafter constructed, water under pressure shall be supplied to all dwelling units and to all other buildings in which cooking is permitted or which contain toilet, bathing, laundry or dishwashing facilities.

5.0 SEWAGE DISPOSAL

5.1 Facilities shall be provided and properly maintained in all camps for the disposal or treatment and disposal of excreta and liquid wastes.

5.2 Where public sewer systems are available, all building sewers shall be connected thereto. If public sewer systems are not available, private sewage disposal systems which meet the requirements of the Colorado Water Pollution Control Commission shall be installed.

5.3 Toilet and handwashing facilities, for use by shed and field workers, shall be provided within one-quarter of a mile from the farthest point of the work site at the rate of one for every 25 persons of each sex. If less than 10 persons are employed at the site, one toilet and handwashing facility may be shared by both sexes.

6.0 GARBAGE AND OTHER REFUSE DISPOSAL

6.1 Metal containers with tight fitting lids shall be provided for handling, storing and disposing of garbage and refuse to control odors, insects, rodents and other nuisance conditions.

7.0 INSECT AND RODENT CONTROL

7.1 Rodents and insects shall be controlled by establishing sanitary practices, insect and rodent proofing of buildings, extermination or other safe and effective control methods.

8.0 SHELTER

8.1 Dwellings and service buildings may be of any type construction, but shall be structurally sound, provide protection for the occupants against the elements and

shall be so constructed as to facilitate cleaning and afford privacy. Shelter structures shall be maintained in good repair and in a clean and safe condition. Tents may be used not to exceed 14 days per season, subject to prior approval of the health department.

8.2 Floors of habitable buildings, including tents, shall be constructed of wood, asphalt, concrete or other comparable materials and shall be smooth finished with an elevation of at least six inches above surrounding grade and so located as to prevent the entrance of ground and surface water.

8.3 In all shelters, hereafter constructed, not less than two rooms or partitioned areas shall be provided for each family composed of husband and wife or one parent and one or more children six years of age or older, except that separate sleeping rooms or partitioned areas shall be provided for children of the opposite sex over 10 years of age. When single workers are housed, separate sleeping accommodations shall be provided for each sex.

8.4 In all shelters, each room designed or used for sleeping purposes shall contain at least 50 square feet of floor area for each occupant six years of age or older and 25 square feet of floor area for each person under six years of age. When double deck bunk beds are used, at least 35 square feet of floor area for each person six years of age or older and 25 square feet for those under six years of age shall be provided.

Not less than 60 square feet of floor area shall be provided for each person for combined eating, sleeping and cooking purposes. In a house trailer or vehicle furnished by a person other than the occupant, there shall be at least 20 square feet

of clear floor area for each person sleeping therein.

8.5 At least one-half of the floor area of each habitable room shall have a minimum ceiling height of seven feet. No floor area shall be counted where the ceiling height is less than five feet. No habitable room, except kitchens, shall be less than seven feet in any dimension.

8.6 Each habitable room shall have at least one window opening directly to the out-of-doors. The minimum total window area shall be at least 10 percent of the floor area of each room. At least one-half of the required window area shall be openable.

All exterior openings of habitable and service buildings shall be protected with fly screening of not less than 16 mesh. All screen doors shall be equipped with self-closing devices.

8.7 All buildings, in which 10 or more people sleep or eat, or otherwise occupy, shall have not less than two exits leading to the outside or to a public corridor leading to the outside. Exits shall be so located on each floor as to provide alternate means of egress. Sliding and overhead rolling doors are not approved as meeting exit requirements.

A landing shall be provided beyond each exterior door opening and beyond each interior doorway opening to a stairway. Such landings shall have a width and depth of not less than the door opening.

8.8 In dwelling units having an occupancy of less than 10 persons, one of the required exits may be an openable window if it is sufficient in size and affords safe access to the ground level.

8.9 Each dwelling unit shall have direct access to the outside or to a common hallway which has access to the outside.

8.10 All stairways with four or more risers shall be provided with a handrail. The rise of each step in a stairway shall not exceed eight inches, and the run (tread) shall not be less than eight inches. Every stairway shall have headroom clearance of not less than six feet.

9.0 HEATING

9.1 Where climatic conditions require artificial heating, all dwellings and shower rooms shall be provided with heating facilities which are properly installed, maintained in a safe working condition and which are capable of maintaining a room temperature of sixty-eight degrees Fahrenheit (68° F.) in all habitable rooms.

9.2 No open flame gas or oil fired kitchen stoves, hot plates or unvented heaters shall be approved for heating purposes.

10.0 LIGHTING

10.1 Where electric service is available within 500 feet of the premises, each habitable and service room shall be provided with at least one ceiling-type light fixture and at least one separate electric convenience outlet. Electric wiring shall be installed and maintained in accordance with provisions of the National Electrical Code.

11.0 HOUSEHOLD EQUIPMENT AND FURNISHINGS

11.1 All dwellings shall be provided with sufficient basic household equipment. This equipment shall include tables, chairs, beds and shelving or hooks for storing clothing.

11.2 Suitable sleeping facilities shall be available for each occupant, consisting of beds, bunks or cots complete with springs and mattresses, which shall be clean, in good repair and so constructed as to afford reasonable comfort.

11.3 Mattresses and pads with covers, bed covers and other bedding, if furnished by the operator, shall be in a sanitary condition upon each change of occupancy.

11.4 Every bed, bunk or cot shall have a clear space of at least 12 inches from the floor. Triple-deck bunk facilities are prohibited, and multiple occupancy of double beds shall be allowed only in family groups. Single beds shall be spaced not closer than 36 inches laterally or end to end. Double-deck facilities shall be spaced not less than 48 inches laterally or 36 inches end to end. There shall be a clear ceiling height above a mattress of not less than 36 inches and a clear space of at least 27 inches between the mattresses of a double-deck bunk.

12.0 COOKING AND EATING FACILITIES

12.1 All housing, whether for single family or common use, shall be provided with a space equipped for use as a kitchen. Sufficient counters, shelves, stoves and dishwashing equipment shall be provided. If electricity is available, mechanical refrigeration shall be provided.

12.2 Physical facilities and the operation and maintenance of centralized food service operation shall conform to the physical and operational requirements of the Colorado Restaurant Sanitation Laws, Rules and Regulations.

13.0 TOILET, LAVATORY, BATHING AND LAUNDRY FACILITIES

13.1 Toilet, lavatory, bathing and laundry facilities shall be installed and provided in the

minimum numbers required by provisions of the Colorado Plumbing Regulations, when water under pressure is available to the camp.

13.2 When water under pressure is not available to the camp, equivalent facilities shall be provided.

13.3 In multiple family or dormitory occupancies, required sanitary facilities are as follows:

a. Toilets

One for each 10 persons of each sex;

b. Urinals

One for each 25 males;

Urinals may be substituted for up to one-third of the required number of toilets;

Twenty-four inches of trough urinals shall be considered the equivalent of one urinal or toilet.

Men's toilet rooms with water closets, hereafter constructed, shall also include urinals.

c. Lavatories

One for each 10 persons or 24 lineal inches of a wash sink, tray or trough.

d. Bathing Facilities:

One for each 10 persons;

e. Other Fixtures

A kitchen sink shall be required in each dwelling unit hereafter remodeled or constructed.

13.4 If separate dwelling unit structures are used, individual or centralized sanitary facilities shall be provided as follows:

a. Toilets

One for each dwelling unit or one for each 10 persons of each sex;

b. Lavatories

One for each dwelling unit or one for each 10 persons of each sex;

c. Bathing Facilities

One for each dwelling unit or one for each 10 persons of each sex;

d. Other Fixtures

A kitchen sink shall be required in each dwelling unit hereafter remodeled or constructed.

13.5 Hot and cold water under pressure shall be supplied to all required plumbing fixtures except that cold water only shall be supplied to water closets. Tempered water may be delivered to showers and sinks to conserve heat and heating equipment.

13.6 Required plumbing fixtures shall be maintained in good working order and in a clean and sanitary condition.

13.7 Service buildings housing such required fixtures shall be constructed of easily cleaned, non-absorbent materials, maintained in good repair and in a clean and sanitary condition and conveniently located at a distance of not more than 200 feet from any dwelling structures.

13.8 In multiple family and group type occupancies where sanitary facilities are shared, separate rooms containing required plumbing fixtures shall be provided for each sex.

If located in the same building, they shall be separated by a solid wall extending from floor to ceiling. These rooms shall be marked distinctly "For Men" or "For Women."

13.9 Shower heads shall be spaced at least three feet apart with a minimum of nine square feet of floor area per shower head. Dressing room space, equivalent to the size of the shower floor area shall be provided adjacent to bathing facilities. No toilet space shall be less than 30 inches in width, and there shall be no less than 30 inches of clear space in front of a toilet.

13.10 The floors of utility buildings shall have a smooth, impermeable and easily cleaned surface, sloped to drain. Floor drains, properly trapped, shall be provided in all shower baths and shower rooms to remove waste water and to facilitate cleaning. The walls and partitions of such buildings shall be constructed of smooth, non-absorbent materials and finished to the splash level.

14.0 PRIVIES

14.1 Privies shall not be located less than 50 feet nor more than 200 feet from any shelter they serve and shall be so constructed and maintained as to meet the rules and regulations of the Colorado Water Pollution Control Commission.

14.2 Privies shall be constructed with tight fitting and self-closing doors, impervious floors and risers. They shall be fly-tight and maintained in good repair and in clean condition. Each privy building shall be ventilated by a screened opening of at least 144 square inches. Seat risers shall be of reasonable height and shall be maintained in good repair. The pit shall be covered when excreta reaches a point one foot below ground level and the privy moved to a new location.

14.3 Except for those serving single family dwellings, separate privy facilities shall be provided for each sex. Privy seats for each sex shall be provided in the ratio of not less than one such unit for each 10 persons.

15.0 FIRE PROTECTION

15.1 All premises; the buildings and related facilities shall be maintained and used in a manner as to prevent fire in accordance with applicable local fire prevention regulations.

16.0 PENALTIES

16.1 Pertinent sections of Colorado Revised Statutes 1963 read as follows: "66.

1-14. UNLAWFUL ACTS -- penalties, -- (1)

(a) It shall be unlawful for any person, association, or corporation, and the officers thereof;

(b) To willfully violate, disobey or disregard the provisions of the public health laws or the terms of any lawful notice, order, standard, rule or regulation issued pursuant thereto; or

(g) To willfully fail to remove from private property under his control at his own expense, within forty-eight hours after being ordered so to do by the health authorities, any nuisance, source of filth, or cause of sickness within the jurisdiction and control of the Department, whether such person, association, or corporation shall be the owner, tenant or occupant of such private property; provided that when any such condition is due to an act of God, it shall be removed at public expense .....

(4) Any person, association, or corporation, or the officers thereof, who shall violate any provision of this section, upon conviction, shall be fined not to exceed one thousand dollars or be imprisoned, for not to exceed one year, or be both fined and imprisoned, and in addition to such fine and imprisonment shall be liable for any expense incurred by health authorities in removing any nuisance, source of filth, or cause of sickness. Convictions under the penalty provisions of this article or any other public health law shall not relieve any persons from any civil action in damages that may exist for any injury resulting from any violation of the public health law."

17.0 REMISSION

17.1 The Colorado Department of Public Health and Environment regulations captioned, "Sanitary Standards--Industrial and Labor Camps," adopted March 12, 1962, effective April 19, 1962, are hereby RESCINDED.

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