

room directing employees to wash their hands before returning to work.

(5) *Laboratory.* (i) Consistent with the size and type of plant and the volume of dairy products manufactured, an adequately equipped laboratory shall be maintained and properly staffed with qualified and trained personnel for quality control and analytical testing. The laboratory should be located reasonably close to the processing activity and be of sufficient size to perform tests necessary in evaluating the quality of raw and finished products.

(ii) Approved laboratories shall be supervised by the USDA resident inspector in all aspects of official testing and reporting results. Plant laboratory personnel in such plants may be licensed by the USDA to perform official duties. The AMS Science Division will provide independent auditing of laboratory analysis functions.

(iii) An approved central control laboratory serving more than one plant may be acceptable, if conveniently located to the dairy plants, and if samples and results can be transmitted without undue delay.

(6) *Starter facilities.* Adequate facilities shall be provided for the handling of starter cultures. The facilities shall not be located near areas where contamination is likely to occur.

(7) *Grading and inspection room.* When grading or inspection of product is performed the plants shall furnish a room or designated area specifically for this purpose. The room or area shall be suitably located, sufficient in size, well lighted (see § 58.126d), ventilated and the temperature shall be not less than 60 °F. It shall be kept clean and dry, free from foreign odors and reasonably free from disturbing elements which would interfere with proper concentration by the grader or inspector. The grading or inspection room or area shall be equipped with a table or desk and convenient facilities for washing hands.

(8) *Resident inspector's facilities.* In resident plants, an office or space shall be provided for official purposes. The room or space should be conveniently located in or near the approved laboratory, adequate in size, and equipped with desk and a lockable storage supply cabinet, and clothes locker. It shall

be well lighted, ventilated or air conditioned, and heated. Custodial service shall be furnished on a regular basis.

(9) *Lunch rooms and eating areas.* When these areas are provided, they (i) shall be kept clean and orderly, (ii) should not open directly into any room in which milk or dairy products are processed, manufactured or packaged, and (iii) signs shall be posted directing employees to wash their hands before returning to work.

[40 FR 47911, Oct. 10, 1975. Redesignated at 42 FR 32514, June 27, 1977, and at 46 FR 63203, Dec. 31, 1981, as amended at 58 FR 42413, Aug. 9, 1993; 59 FR 24321, May 10, 1994; 59 FR 50121, Sept. 30, 1994]

§ 58.127 Facilities.

(a) *Water supply.* There shall be an ample supply of both hot and cold water of safe and sanitary quality, with adequate facilities for its proper distribution throughout the plant, and protected against contamination. Water from other facilities, when officially approved, may be used for boiler feed water and condenser water provided that such water lines are completely separated from the water lines carrying the sanitary water supply, and the equipment is so constructed and controlled as to preclude contamination of product contact surfaces. There shall be no cross connection between potable water lines and non-potable water lines or between public and private water supplies. Bacteriological examinations shall be made of the plant's sanitary water supply taken at the plant at least twice a year, or as often as necessary to determine safety and suitability as related to product keeping quality for use in manufactured products shall be made by a USDA or State agency laboratory except for supplies that are regularly tested for purity and bacteriological quality, and approved by the local health officer. The results of all water tests shall be kept on file at the plant for which the test was performed.

The location, construction, and operation of any well shall comply with regulations of the appropriate agency.

(b) *Drinking-water facilities.* Drinking-water facilities of a sanitary type shall be provided in the plant and should be conveniently located.

(c) *Hand-washing facilities.* Convenient hand-washing facilities shall be provided, including hot and cold running water, soap or other detergents, and sanitary single service towels or air driers. Such accommodations shall be located in or adjacent to toilet and dressing rooms and also at such other places in the plant as may be essential to the cleanliness of all personnel handling products. Vats for washing equipment or utensils shall not be used as hand-washing facilities. Containers shall be provided for used towels and other wastes. The containers may be metal or plastic, disposable or reusable and should have self-closing covers.

(d) *Steam.* Steam shall be supplied in sufficient volume and pressure for satisfactory operation of each applicable piece of equipment. Culinary steam used in direct contact with milk or dairy products shall be free from harmful substances or extraneous material and only those boiler water additives which meet the requirements of 21 CFR 121.1088 shall be used, or a secondary steam generator shall be used in which soft water is converted to steam and no boiler compounds are used. Steam traps, strainers and condensate traps shall be used wherever applicable to insure a satisfactory and safe steam supply. Culinary steam shall comply with the recommended practices for "Producing Culinary Steam for Processing Milk and Milk Products" as published by the National Association of Food and Dairy Equipment Manufacturers, Washington, DC, April 1963 or latest revision thereof.

(e) *Air under pressure.* The method for supplying air under pressure, which comes in contact with milk or dairy products or any product contact surface shall comply with the 3-A Accepted Practices for Supplying Air Under Pressure.

(f) *Disposal of wastes.* Dairy wastes shall be properly disposed of from the plant and premises consistent with requirements imposed by the Environmental Protection Act. The sewer system shall have sufficient slope and capacity to readily remove all waste from the various processing operations. Where a public sewer is not available, all wastes shall be properly disposed of

so as not to contaminate milk equipment or to create a nuisance or public health hazard. Containers used for the collection and holding of wastes shall be constructed of metal, plastic, or other equally impervious material and kept covered with tight fitting lids. Waste shall be stored in an area or room in a manner to protect it from flies and vermin. Solid wastes shall be disposed of regularly and the containers cleaned before reuse. Accumulation of dry waste paper and cardboard shall be kept to a minimum and disposed of in a manner that is environmentally acceptable.

§ 58.128 Equipment and utensils.

(a) *General construction, repair and installation.* The equipment and utensils used for the processing of milk and manufacture of dairy products shall be constructed to be readily demountable where necessary for cleaning and sanitizing. The product contact surfaces of all utensils and equipment such as holding tanks, pasteurizers, coolers, vats, agitators, pumps, sanitary piping and fittings or any specialized equipment shall be constructed of stainless steel, or other materials which under conditions of intended use are as equally corrosion resistant. Non-metallic parts other than glass having product contact surfaces shall comply with 3-A Sanitary Standards for Plastic or Rubber and Rubber-Like Materials. Equipment and utensils used for cleaning shall be in an acceptable condition, such as not rusty, pitted or corroded. All equipment and piping shall be designed and installed so as to be easily accessible for cleaning, and shall be kept in good repair, free from cracks and corroded surfaces. New or rearranged equipment, shall be set away from any wall or spaced in such a manner as to facilitate proper cleaning and to maintain good housekeeping. All parts or interior surfaces of equipment, pipes (except certain piping cleaned-in-place) or fittings, including valves and connections shall be accessible for inspection. Milk and dairy product pumps shall be of a sanitary type and easily dismantled for cleaning or shall be of specially approved construction to allow effective cleaning in place.