**SECTION 802 INDIRECT WASTES

802.1 Where required.**
Food-handling equipment and clear-water waste shall discharge through an indirect waste pipe as specified in Sections 802.1.1 through 802.1.8. All health-care related fixtures, devices and equipment shall discharge to the drainage system through an indirect waste pipe by means of an *air gap* in accordance with this chapter and Section 713.3. Fixtures not required by this section to be indirectly connected shall be directly connected to the plumbing system in accordance with Chapter 7.

**802.1.1 Food handling.**
Equipment and fixtures utilized for the storage, preparation and handling of food shall discharge through an indirect waste pipe by means of an *air gap.*

**802.1.2 Floor drains in food storage areas.**
Floor drains located within walk-in refrigerators or freezers in food service and food establishments shall be indirectly connected to the sanitary drainage system by means of an *air gap.* Where a floor drain is located within an area subject to freezing, the waste line serving the floor drain shall not be trapped and shall indirectly discharge into a waste receptor located outside of the area subject to freezing.  **Exception:** Where protected against backflow by a backwater valve, such floor drains shall be indirectly connected to the sanitary drainage system by means of an *air break* or an *air gap.*

**802.1.3 Potable clear-water waste.**
Where devices and equipment, such as sterilizers and relief valves, discharge potable water to the building drainage system, the discharge shall be through an indirect waste pipe by means of an *air gap.*

**802.1.4 Swimming pools.**
Where waste water from swimming pools, backwash from filters and water from pool deck drains discharge to the building drainage system, the discharge shall be through an indirect waste pipe by means of an *air gap.*

**802.1.5 Nonpotable clear-water waste.**
Where devices and equipment such as process tanks, filters, drips and boilers discharge nonpotable water to the building drainage system, the discharge shall be through an indirect waste pipe by means of an *air break* or an *air gap.*

**802.1.6 Domestic dishwashing machines.**
Domestic dishwashing machines shall discharge indirectly through an *air gap* or *air break* into a standpipe or waste receptor in accordance with Section 802.2, or discharge into a wye-branch fitting on the tailpiece of the kitchen sink or the dishwasher connection of a food waste grinder. The waste line of a domestic dishwashing machine discharging into a kitchen sink tailpiece or food waste grinder shall connect to a deck-mounted *air gap* or the waste line shall rise and be securely fastened to the underside of the sink rim or counter.

**802.1.7 Commercial dishwashing machines.**
The discharge from a commercial dishwashing machine shall be through an *air gap* or *air break* into a standpipe or waste receptor in accordance with Section 802.2.

**802.1.8 Food utensils, dishes, pots and pans sinks.**
Sinks used for the washing, rinsing or sanitizing of utensils, dishes, pots, pans or service ware used in the preparation, serving or eating of food shall discharge indirectly through an *air gap* or an *air break to* the drainage system.

**802.2 Installation.**
Indirect waste piping shall discharge through an *air gap* or *air break* into a waste receptor. Waste receptors and standpipes shall be trapped and vented and shall connect to the building drainage system. All indirect waste piping that exceeds 30 inches (762 mm) in developed length measured horizontally, or 54 inches (1372 mm) in total developed length, shall be trapped.  **Exception:** Where a waste receptor receives only clear- water waste and does not directly connect to a sanitary drainage system, the receptor shall not require a trap.

**802.2.1 Air gap.**
The *air gap* between the indirect waste pipe and the *flood level rim* of the waste receptor shall be not less than twice the *effective opening* of the indirect waste pipe.

**802.2.2 Air break.**
An *air break* shall be provided between the indirect waste pipe and the trap seal of the waste receptor or standpipe.

**802.3 Waste receptors.**
Waste receptors shall be of an approved type. A removable strainer or basket shall cover the waste outlet of waste receptors. Waste receptors shall be installed in ventilated spaces. Waste receptors shall not be installed in bathrooms, toilet rooms, plenums, crawl spaces, attics, interstitial spaces above ceilings and below floors or in any inaccessible or unventilated space such as a closet or storeroom. Ready access shall be provided to waste receptors.

**802.3.1 Size of receptors.**
A waste receptor shall be sized for the maximum discharge of all indirect waste pipes served by the receptor. Receptors shall be installed to prevent splashing or flooding.

**802.3.2 Open hub waste receptors.**
Waste receptors shall be permitted in the form of a hub or pipe extending not less than 1 inch (25.4 mm) above a water-impervious floor and are not required to have a strainer.

**802.4 Standpipes.**
Standpipes shall be individually trapped. Standpipes shall extend not less than 18 inches (457 mm) but not greater than 42 inches (1066 mm) above the trap weir. *Access* shall be provided to all standpipes and drains for rodding.