

**481—485.3(135I) Definitions.**

**485.3(1) Definitions.** The definitions set forth in Iowa Code section 135I.1 are incorporated herein by reference. Additionally:

“*Air break*” is a piping arrangement in which a drain from a fixture, appliance or device discharges indirectly into a receptacle at a point below the flood-level rim of the receptacle.

“*Air gap*” means the unobstructed vertical distance through the free atmosphere between the lowest opening from an inlet pipe and the flood-level rim of a receptacle.

“*Board of health*” means a county, city, or district board of health.

“*Body feed*” means the continuous addition of controlled amounts of filtering aid during the operation of a diatomaceous earth filter to maintain a permeable filter cake.

“*Certified operator*” means a person who has:

1. Successfully completed the Certified Pool/Spa Operator® course sanctioned by PHTA, the Aquatic Facility Operator course sanctioned by NRPA, the Professional Pool & Spa Operator course sanctioned by the PHTA, or the Licensed Aquatic Facility Technician course sanctioned by the American Swimming Pool and Spa Association; and

2. Been recertified as required by the sanctioning organization; and

3. Obtained the continuing education required by subrule 485.11(2).

“*Combined chlorine*” means nitrogen-chlorine compounds formed by the reaction of a chlorine disinfectant chemical with ammonia and organic nitrogen compounds as measured with a DPD test kit.

“*Construction*” means the installation of a new swimming pool facility or modifications to an existing facility that change the total recirculated water volume or the total water surface area by 20 percent or more.

“*Deck*” means a walkway immediately adjacent to a swimming pool.

“*Decorative fountain*” means a basin with water sprays or jets that does not serve primarily as a wading or swimming pool and whose drain is not directly connected to any type of suction device for removing or recirculating the water.

“*Deep water*” means water that is more than 5 ft deep.

“*Engineering plans*” means plans and specifications certified in accordance with the rules of the examining board by an engineer or architect licensed to practice in the state of Iowa.

“*Equalizer*” means an arrangement including a pipe from an opening below the water level in a swimming pool or spa to the body of a skimmer and a normally closed valve at the skimmer body.

“*Facility*” means a building, fenced enclosure, or lot where there is at least one spray pad, swimming pool, or spa subject to regulation under Iowa Code chapter 135I and these rules.

“*Field fabricated,*” when applied to a sump or a cover/grate for a fully submerged outlet, means constructed on site with conventional building materials or of a size and shape different from readily available commercial sumps or cover/grates.

“*Fill and drain wading pool*” means a wading pool having no recirculation system.

“*Filter*” means a mechanical device for removing suspended particles from the swimming pool water and refers to the complete mechanism including all component parts.

“*Flow rating,*” when applied to the cover/grate for a fully submerged outlet, means the maximum flow rate in gpm through the cover/grate that will not cause body or hair entrapment as determined by the test methods in the ASME/ANSI standard.

“*Fountain*” means a water fountain that is not established primarily for swimming or wading, but where swimming or wading is allowed, and that has a drain that is connected to a mechanical suction device for removing or recirculating the water.

“*Free chlorine*” means the concentration of hypochlorous acid and hypochlorite ion in the swimming pool water as measured with a DPD test kit or as measured by another method approved by the department.

“*Fully submerged outlet*” means an outlet that is completely under water when the water is at the normal operating level.

“*Gravity outlet*” means an outlet that directly connects to a tank or other structure that is at atmospheric pressure.

“*Hose bib*” means a water outlet that is threaded to permit the attachment of a hose.

*“Hydrostatic relief valve”* means a relief valve installed in the bottom of the swimming pool and designed to operate automatically when the swimming pool is empty, relieving the groundwater pressure around the structure by allowing the groundwater into the swimming pool tank.

*“Inlet”* means a fitting or opening through which recirculation water enters the swimming pool or spa.

*“Inspection agency”* means the department or a city, county or district board of health that has executed with the department pursuant to the authority of Iowa Code chapters 28E and 135I an agreement to inspect swimming pool/spa facilities and enforce these rules. Within its geographic area, the city, county or district board of health is the “local inspection agency.”

*“Leisure river”* means a closed-path channel with a river-like flow of water. A leisure river may include water features and play devices.

*“Lifeguard”* means an individual who holds current lifeguard certification by one of the following organizations and current certification in first aid and infant, child and adult CPR, including compressions, rescue breathing, and two-person CPR:

1. American Red Cross.
2. YMCA.
3. Boy Scouts of America.
4. Ellis & Associates.
5. Starfish Aquatics Institute.
6. National Aquatic Safety Company (NASCO).

*“Main drain”* means the outlet(s) at the deepest part of a swimming pool or spa.

*“Multisection water recreation pool”* means a swimming pool with three or more distinct use areas.

*“Outlet”* means an opening through which water leaves the swimming pool or spa.

*“Outlet system”* means an arrangement of components associated with one or more connected fully submerged outlets including the cover/grate(s), the sump(s), the piping, and the pump(s) if one or more pumps are directly connected to the outlet(s).

*“Perimeter overflow gutter”* means a weir and trough around the perimeter of a swimming pool that is used to skim the surface of the water and return the water to the treatment system.

*“Plunge pool”* means a pool designed to serve as a landing area for a water slide.

*“Recirculation system”* means the pump(s), piping, inlets, outlets, filtration system, chemical feed systems and accessories provided to convey and treat the spray pad, swimming pool, or spa water to meet the water quality standards in these rules.

*“Reconstruction”* means the replacement or modification of a spray pad, swimming pool, or spa shell or deck, a spray pad, swimming pool, or spa recirculation system, a perimeter overflow gutter or skimmer, or a bathhouse associated with a public spray pad, swimming pool, or spa. “Reconstruction” does not include the replacement of equipment or piping previously approved by the department, provided that the type and size of the equipment are not revised, nor does it include normal maintenance or repair.

*“Residential swimming pool”* means any swimming pool that is used, or intended to be used, in connection with a single-family residence and that is available only to the family of the householder and the householder’s private guests. A residential swimming pool used for private swimming lessons for over 207 hours in a calendar month, or the number of hours prescribed by local ordinance applicable to such use of a residential swimming pool, whichever is greater, is considered a public swimming pool and is subject to all the requirements of this chapter. A residential swimming pool used for any other commercial purposes for more than 60 hours in a calendar month is considered a public swimming pool and is subject to all the requirements of this chapter.

*“Shallow water”* means those areas of a swimming pool where the water is 5 ft deep or less.

*“Skimmer”* means a manufactured device designed to be directly connected to the recirculation pump suction and used to skim the swimming pool over a self-adjusting weir.

*“Spa”* means a structure, chamber, or tank, with a bench and a means of agitation, that is designed for recreational or therapeutic use and is not drained, cleaned, and refilled after each individual use. A swimming pool with a bench equipped with agitation is not considered a spa provided that the water temperature is maintained at 90°F or less.

“*Speed slide*” means a water slide that is designed to enter users into a plunge pool or other deceleration arrangement at a speed of 30 ft per second or more.

“*Suction outlet*” means an outlet that is directly connected to the inlet side of a circulation pump.

“*Superchlorination*” means the addition of a chlorine disinfectant compound to a spray pad, swimming pool, or spa to a concentration at least 10 ppm chlorine concentration.

“*Swimming pool slide*” means any device used to enter a swimming pool by sliding down an inclined plane or through a tube similar to a playground slide that has a slide path of 20 ft or less in length and a water flow down the slide of 20 gpm or less. A slide exceeding either of these criteria is a water slide.

“*Total bromine*” means the concentration of hypobromous acid, hypobromite ion and nitrogen-bromine compounds in the swimming pool water as measured with a DPD test kit.

“*Tri-chlor*” means trichloro-s-triazinetriene. Tri-chlor is a form of chlorine that includes cyanuric acid in its formulation.

“*Unblockable*,” when applied to a cover/grate for a fully submerged outlet, means a size and shape that cannot be fully covered by an 18-inch by 23-inch mat with 4-inch-diameter rounded corners and the differential pressure generated by the flow through the uncovered open area is not enough to cause body entrapment.

“*Wading pool*” means a swimming pool that is no more than 24 inches deep at any point.

“*Water slide*” means a recreational ride that is a sloped trough-like or tubular structure using water as a lubricant and as a method of regulating rider velocity and that terminates in a plunge pool, swimming pool, or in a specially designed deceleration structure.

“*Wave pool*” means a swimming pool of special shape and design that is provided with wave-generating equipment.

“*Zero-depth pool*” means a swimming pool in which the pool floor intersects the water surface along at least one side of the pool.

#### **485.3(2) Abbreviations.**

“*AFO*” means aquatic facility operator.

“*AGA*” means American Gas Association.

“*ANSI*” means American National Standards Institute.

“*ASME*” means American Society of Mechanical Engineers.

“*ASME/ANSI standard*” means ASME/ANSI A112.19.8a-2008, “Suction Fittings for Use in Swimming Pools, Wading Pools, Spas, and Hot Tubs.”

“*ASTM*” means ASTM International (formerly American Society of Testing and Materials).

“*AWWA*” means American Water Works Association.

“*BTU*” means British thermal unit.

“*CO<sub>2</sub>*” means carbon dioxide.

“*CPO*®” means certified swimming pool/spa operator.

“*CPR*” means cardiopulmonary resuscitation.

“*DPD*” means diethyl-p-phenylene diamine.

“*feet*” means feet of water ( $\text{feet} \times 0.43 = \text{psi}$ ) when used in discussing pump requirements.

“*ft*” means foot or feet (distance).

“*ft<sup>2</sup>*” means square foot or square feet.

“*gal*” means gallon(s).

“*GFCI*” means ground fault circuit interrupter.

“*gpm*” means gal per minute.

“*in Hg*” means inches of mercury ( $\text{in Hg} \times 0.49 = \text{psi}$ ).

“*in<sup>2</sup>*” means square inch(es).

“*LAF*” means licensed aquatic facility technician.

“*mg/L*” means milligram(s) per liter.

“*mV*” means millivolts.

“*NRPA*” means National Recreation and Park Association.

“*NSF*” means NSF International (formerly National Sanitation Foundation).

“*ORP*” means oxidation-reduction potential.

“*PHTA*” means the Pool & Hot Tub Alliance.

“*ppm*” means parts per million; mg/L and ppm are equivalent terms.

“*PPSO*” means professional pool and spa operator.

“*psi*” means pounds per square inch.

“*SDS*” means safety data sheets.

“*sec*” means second (time).

“*Standard 50*” means NSF/ANSI Standard 50-2016a (2017), “Circulation System Components for Swimming Pools, Spas, or Hot Tubs.”

“*TDH*” means total dynamic head.

“*UL*” means Underwriters Laboratories.

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