RULES

OF

TENNESSEE DEPARTMENT OF HEALTH BUREAU OF HEALTH SERVICES ADMINISTRATION

CHAPTER 1200—25—1 SWIMMING POOLS OWNED BY MULTI-FAMILY RESIDENTIAL HOMEOWNER ASSOCIATIONS

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1200-25-1-.01 DEFINITIONS.

- (1) General: As used in these rules, unless the context requires otherwise:
 - (a) Approved means being accepted by the Commissioner
 - (b) Commissioner means the Commissioner of the Department of Health, his duly appointed representative, and in the event of his absence or vacancy in the office of commissioner, the deputy commissioner.
 - (c) Contractor means a person that enters into an agreement with another person to perform specific duties and acts as a representative of the permittee or permit applicant.
 - (d) Employee means the permit holder, individuals having supervisory or management duties or any other person working in a public swimming pool.
 - (e) Law means any provision of the State of Tennessee statutes and rules.
 - (f) Owner/Operator means the applicant, permittee, or other persons to be in charge of facilities.
 - (g) Person means any individual, partnership, firm, corporation, agency, municipality, or state or political subdivisions, or the Federal Government and its' agencies and departments.
 - (h) Person In Charge means the individual present in a public swimming pool who is the apparent supervisor at the time of inspection, or if no individual is the apparent supervisor, then any employee present.
 - (i) Potable Water means water that is safe for drinking.
 - (j) Sewage means human excreta, all water carried waste, and household wastes from residences, buildings, or commercial and industrial establishments.
 - (k) Shall denotes a mandatory requirement
 - (1) Solid Waste means refuse, garbage, trash, rubbish, and any other item or items which could cause an unsanitary condition or undesirable health and safety conditions.

- (m) Alter/Alteration means to redesign pool size, shape, piping; to change major equipment such as filter or disinfectant system; to install or remove equipment; to change classification of pool; to make any change that may effect the overall safety or effectiveness of operation, including additions or redesign of a bathhouse.
- (n) Certified Lifeguard means an individual who has a valid and current American Red Cross Lifeguard Training Certificate*, or the YMCA Senior Life Saving Certificate, or Boy Scouts of America equivalent. (* or current Red Cross equivalent)
- (o) Coping means the covering which joins the top of the pool wall with the pool decking.
- (p) Deck means the area around the pool.
- (q) Department means the Department of Health.
- (r) Disinfection Equipment means any device used to mechanically supply disinfectants to the pool water.
- (s) Dive means to plunge into water head first from a board or tower.
- (t) Diving Board means a device extending over the pool for the purpose of diving.
- (u) Filter means any apparatus by which water is clarified.
- (v) Hose Bibb means a water faucet with male screw threads for attachment to hose.
- (w) Lifeline means a rope with flotation devices across a pool to designate a change of slope in the pool bottom and is used to separate the shallow and deep areas of the pool.
- (x) Life Saving Equipment Unit consists of a Ring Buoy and Shepherd's Crook. The ring buoy consists of a ring at least eighteen inches (18") in diameter made of solid, buoyant material and weighing approximately two and one-half (2 1/2) pounds with grab line and retrieving line equal to one and one-half (1 1/2) times the maximum width of the pool not to exceed 50 feet in length. The line shall consist of 1/4-inch polyproplene, or similar type line with two inch ball or "lemon" on the free end. The Shepherd's Crook shall be large enough to encircle the entire body with a minimum twelve (12) foot handle. Where lifeguards are required, a rescue tube may be substituted for each ring buoy required.
- (y) Main Drain means the outlet or outlets at the bottom, deep portion of the pool through which the main flow of water leaves the pool.
- (z) Normal Operating Level means the level of the water at the mid-point of the surface skimmer throat or at overflow gutter tip.
- (aa) Overflow Trough means the gutter or trough around the top perimeter of a pool which is used to skim the surface of the water to waste or to filters. These troughs are sometimes referred to as scum gutters.
- (bb) Pool Depth means the distance between the floor of the pool and the normal operating level.
- (cc) Pool Facilities is a general term that includes all areas of the pool. It includes but is not limited to the pool deck, bathhouse, fences, filtration and safety equipment, sidewalks and plumbing facilities.

(dd) Public Swimming Pool, Public Pool or Pool means any pool other than a residential or therapeutic type pool which is used for bathing, swimming, instructional purposes in swimming, diving or other aquatic activities, or for other recreational purposes to which admission may be gained with or without payment of a fee.

Public swimming pools are listed in the following categories, based upon specific characteristics, usage and other factors:

- 1. Type "A" means any pool intended for, or used by, the general public for recreational use and pools not open to the general public such as institutional, school, child care facilities, scouts, resident camps, day camps, recreational, country clubs or pools of similar usage and type.
- 2. Type "B" means swimming pools restricted to residents, members or registered guest, including hotels, motels, apartments, trailer parks/mobile home parks, travel camps, condominium multi-family residential housing homeowner associations, and subdivisions or similar developments. Also included are YMCA, YWCA, health or athletic clubs, and pools of similar type and usage. When pools of this type are used by other persons, organizations, special groups or by the general public, the requirements for lifeguards shall be the same as for Type "A" Pools.
- 3. Type "C" means wading pools.
- 4. Type "D" means whirlpools, hot tubs, or other pools of similar type and usage, intended for health or recreational usage.
- 5. Type "E" means water flumes, water slides or other similar water attraction.
- (ee) Rate of Flow means a quantity of water flowing past a given point in a unit of time. Usually measured in gallons per minute (gpm).
- (ff) Residential Pool means any pool that serves no more than three living units, the use of which shall be confined to the family of each residence and their private guest.
- (gg) Skimmer means a device other than an overflow trough that is used to continuously remove surface water and floating debris from a pool.
- (hh) Skimmer Weir means that part of a skimmer that adjusts automatically to small changes in water level to assure a continuous flow of water to the skimmer.
- (n) Therapeutic Pool means a pool used for medical treatment which is under the supervision of licensed medical personnel.
- (jj) Tower means an elevated platform from which a person can jump or plunge into the pool.

- (kk) Turnover rate means the number of times a quantity of water equal to the total capacity of the pool passes through the filters in a stated period. Usually stated in hour turnover rate (6 hr. turnover rate for example) or turnovers per day.
- (ll) Wading Pool means a small pool normally for non-swimming children, used for wading, with a maximum depth of twenty-four (24) inches.
- (mm) Water Slides or Water Flumes means inclined trough(s) that convey patrons in a stream of water ending in a pool. This is not intended to include water attractions that involve a boat, "log" or other such vessels in which patrons ride and not normally come in direct contact with the water nor does this include swimming pool sliding equipment.

Authority: T.C.A. §§4—5—202, 68—14—301 through 68—14—323, 68—14—302(a), 68—14—303(3) and 68—14—403. **Administrative History:** Original rule filed February 29, 1996; effective June 28, 1996.

1200—25—1—.02 OPERATIONAL REQUIREMENTS FOR SWIMMING POOLS OWNED BY MULTI—FAMILY RESIDENTIAL HOMEOWNER ASSOCIATIONS.

(1) Pool Facilities

- (a) Bathhouse.
 - 1. The floors and walls shall be cleaned as often as necessary to maintain sanitary conditions.
 - 2. Plumbing fixtures shall be clean and in operating condition.
 - 3. Toilet tissue in holders shall be provided at each commode.
 - 4. Soap and either single service towels or air dryer devices shall be provided at lavatories.
 - 5. Mirrors, if provided, shall be of non-breakable material.
 - 6. Facilities shall be free of trash and litter. Trash receptacle(s) shall be placed at convenient locations.
 - 7. Women's bathhouse restrooms shall be equipped with covered sanitary napkin receptacles.
 - 8. A minimum lighting level of ten (10) foot candles measured at a point three (3) feet from the floor shall be maintained in bathhouses.
- (b) Pool Enclosures. Ventilation shall be sufficient to prevent condensation and odor accumulation.
- (c) Pool Surface and Facilities. The walls, bottom, fixtures and all equipment shall be kept clean and in good repair.

(d) Walks/Decking/Pool Area. Walks, decking, and all other pool areas shall be clean and in good repair.

(2) Safety

- (a) Certified Lifeguards.
 - 1. Lifeguards shall be present at Type A pools in accordance with the following square footage schedule:

 Square Feet
 1,800-3,000
 1 lifeguard

 3,001-6,000
 2 lifeguards*

 6,001-9,000
 3 lifeguards*

 9,001-12,000
 4 lifeguards*

One additional lifeguard per each additional 3,000 sq. feet.*

*With twenty-five (25) or less pool bathers, a minimum of one (1) lifeguard is required. For twenty-six (26) to fifty (50) pool bathers, a minimum of two (2) lifeguards is required. With fifty-one (51) or more pool bathers, the square footage requirements for lifeguards will apply. Further, for pools requiring more than one (1) lifeguard, the pool area lifeguard requirements can be reduced by roping or partitioning off the unused area(s) of the pool.

- 2. Lifeguards shall be present at all pools having a diving board or tower that is one (1) meter or more in height above the normal operating water level.
- 3. Lifeguards shall observe from the lifeguard chair except during instructional activities or during life saving or emergency type situations involving swimmers.
- 4. "Wave" type pools shall have a minimum of two (2) lifeguards observing from lifeguard chairs. All other "Wave" type pool lifeguards may observe from the pool deck
- (b) Chemical Storage and Handling. Chemicals shall be kept in the original containers. They shall be used and stored in accordance with label instructions.
- (c) Communicable Disease. All patrons or swimmers suspected of having a communicable disease shall be excluded. No person having a communicable disease shall work at any type pool in a function in which there is a likelihood that he will transmit the disease to any other person.
- (d) Depth markers. Depth markers at all Type A, B, and E pools. The depth of the water shall be plainly marked in feet on both sides and at each end at or above the water surface on the vertical pool wall and on the coping or deck next to the pool, and at maximum and minimum depths of the pool. Depth markers shall be spaced at intervals no greater than twenty (20) feet with numerals of at least four (4) inches in height and of a color consulting with the background. Where depth markings are required they shall be in whole foot increments of depth, except across the shallow end the depth shall be marked to the nearest one half (1/2) foot increment of water depth.
- (e) Diving Boards/Towers. Diving board stands/towers, which were in existence and in use on or prior to May 9, 1987, at pools having dimensions less than those required by rule 1200—25—1—.03(4)(h) will be allowed to continue in use until the diving board stand/tower is replaced.
- (f) Electrical. There shall be no visible, obvious electrical hazards at any pool.

- (g) Fencing. All pools shall be protected by a wall, building, enclosure or chain link fence with a height of four (4) feet, or other functionally equivalent barriers approved by the Commissioner. Enclosures or barriers shall be equipped with gates or doors that can be locked when the pool is not in use. Fencing and/or barriers shall be maintained in good repair
- (h) First Aid Kit Reserved.
- (i) Gas Chlorination
 - 1. Gas Chlorination equipment shall be located so that an equipment failure or malfunction will have effect on evacuation of pool users in an emergency
 - 2. Cylinders shall be securely fastened to a wall or post.
 - 3. Storage of any other chemicals in the chlorine enclosure shall be forbidden except those used to check chlorine leaks.
 - 4. When gas chlorination equipment is enclosed, the enclosure shall be provided with air-tight ducts from the bottom of the enclosure to atmosphere in an unrestricted area, a motor driven exhaust fan capable of producing at least one air change per minute and automatic louvers of good design near the top of the enclosure for admitting fresh air.
 - 5. Connections from the cylinders to the system depend on the type of chlorinator to be used and shall comply with the chlorinator manufacturer's recommendation.
 - 6. Electrical switches for the control of artificial lighting and ventilation within the enclosure shall be on the outside of the enclosure and adjacent to the door
- (j) General Safety. No broken bottles, cans, glass, sharp objects or any other debris which might cause injury or accidents shall be in the pool or pool area. No aspects of the operation or condition of facilities or equipment which if not corrected are very likely to result in illness or injury shall exist.
- (k) Illumination. When night swimming is permitted, uniform area lighting shall be provided for the deck area and in all cases there shall be sufficient illumination to enable all areas of the pool including the main drain to be clearly observed by a person standing at the edge of the pool.
- (l) Lifeguard chairs. One lifeguard chair shall be provided for each lifeguard as required by these regulations and shall be elevated and strategically located to provide adequate coverage of all areas of the pool,
- (m) Lifeline.
 - 1. In all Type A and B pools in which the maximum pool depth exceeds five (5) feet six (6) inches, there shall be a lifeline located at or before the five (5) feet depth area(s) separating the shallow area(s) and the deep area(s). "Wave" type pools shall be exempted from this requirement
 - 2. A lifeline shall be made of approved material such as polypropylene or nylon and be provided with floats made of soft material of contrasting color located at not more than five (5) feet intervals. The lifeline rope shall be a minimum of three-fourths (3/4)

inch diameter and be attached to the lifeline anchors on both sides of the pool during all times that the pool is in operation, except during periods of competitive swimming or supervised training.

- (n) Life Saving Equipment. All type A and B pools shall be equipped with a minimum of one (1) units of life saving equipment, located within twenty-five (25) feet of the pool, inside the fence. one (1) unit of lifesaving equipment as defined in 1200—25—1—.01(1)(X), shall be provided at each lifeguard chair. Further, additional units of life saving equipment shall be readily accessible and provided in accordance with the number Of "Certified Lifeguards" under Paragraph (2) Safety, Rule 1200—25—1—.02.
- (o) Main Drain. Main drain gating in all types of pools shall be in place, securely anchored, in good repair and with slots not more than one-half (1/2) inches wide.
- (p) Signs. At Type A, B and C pools, where no lifeguard is required, a warning sign with clearly legible letters at least 4 inches in height shall be placed in plain view stating "WARNING NO LIFEGUARD". No diving sign(s) shall be displayed in conspicuous locations at all pools not meeting the minimum requirements for diving. The sign shall read. "NO DIVING" with minimum four (4) inch lettering.
- (q) Starting Blocks Used for Competitive Swimming. Starting blocks shall not be used for any purpose other than for competitive swimming nor at any time other than during competitive swimming activities.
- (r) Steps, Ladders. Steps and ladders shall be maintained in good repair and be free of hazards to reduce possibility of injury.
- (s) Telephone for Emergency. All pools shall have telephone service conveniently available on the premises. A list of clearly visible emergency phone numbers to include the nearest emergency and medical services shall be posted next to the telephone.

(3) Water Quality

- (a) Bacteriological Test. Pool water sample analysis shall be in accordance with these rules.
 - 1. A sample shall be considered positive and unacceptable if it exceeds four (4) total coliform, bacteria per one hundred (100) milliliters of sample using the membrane filter method.
 - 2. A sample shall be considered positive and unacceptable if total coliform bacteria in any amount are present in three (3) or more tubes using the fermentation tube method and ten (10) milliliter standard portions.
 - 3. A sample shall be considered positive and unacceptable if the analyzed results are "too numerous to count/confluent growth" as reported from the Department Laboratory or a certified lab.

(b) Chemical Tests.

- 1. The Hydrogen Ion Concentration (pH) of the pool water shall be maintained at a level between 7.2 and 7.6 when the pool is open for operation.
- 2. Total alkalinity in pool water shall be at a level between eighty parts per million (80ppm) and two hundred parts per million (200ppm).

3. The cyanuric acid level shall not exceed one hundred parts per million (100ppm).

- (c) Sanitization.
 - Free available sanitizing residuals in pools for currently approved agents shall be as follows:
 - (i) Type A, B, C, & E pools Chlorine 0.4 - 3.0 PPM (Ideal 1.0 - 1.5 PPM) Bromine 0.8 - 3.0 PPM (Ideal 1.5)
 - (ii) Type D pools
 Chlorine 1.0 3.0 PPM (Ideal 1.0 1.5 PPM)
 Bromine 0.8 3.0 PPM (Ideal 1.5)
 - 2. Disinfectants of equal or superior quality to chlorine or bromine compounds that are registered by the Environmental Protection Agency and approved by the Department may be used.
 - 3. Other disinfecting methods or materials may be used if they have been adequately demonstrated to the Department to provide a satisfactory residual effect winch is easily measured or where demonstration and analysis provide assurance that results are otherwise equally effective under condition of use as the chlorine concentration required herein and not be dangerous to Public health, create objectionable physiological effects, or import toxic properties to the water.
 - 4. Sanitizing agents shall be dispensed into the pool water automatically The equipment shall be designed specifically for the type of disinfectant to be used. The equipment shall be of sufficient capacity to maintain the recommended disinfectant residual in the pool. Disinfecting equipment shall be provided with controls for adjusting the rate of flow
 - 5. Hand chlorination is not acceptable except for emergencies, infrequent chlorination purposes, or as approved by the Department where specific circumstances necessitate such dispensing.
- (d) Testing Equipment. Testing equipment complete with reagents, shall be provided at the pool for the determination of residual disinfectant, pH, total alkalinity, and cyanuric acid of the pool water The diethyl-p-phenylenediamine (DPD) method shall be used for the determination of disinfectant residual. The range of testing equipment shall be capable of testing all levels as set forth within these rules. Reagents shall not be outdated or otherwise ineffective.
- (e) Visual Tests.
 - 1. Water shall be sufficiently clear to allow a viewer to clearly distinguish gratings (openings) of the main drain(s) when standing at the edge of the pool deck
 - 2. There shall be no algae visible in a pool.
 - 3. There shall be no foreign material visible in a pool.
- (f) Water Level. The water level in swimming pools with overflow gutters shall be maintained at the break over level. The water level in swimming pools with skimmers shall be maintained at the midpoint of the skimmer.

(g) Water Temperature. Pool temperature shall not exceed one-hundred-four (104°) degrees Fahrenheit. Type D pools shall be equipped with a non-breakable thermometer located in the water.

(4) Water/Waste Water

- (a) Cross-Connections. There shall be no cross-connections within any portion of the pool facilities. Hose bibbs shall be equipped with an approved backflow prevention device.
- (b) Sewage Disposal. Sewage shall be disposed of according to law
- (c) Water Supply. All water used in drinking fountains, lavatories, showers, hose bibbs shall be from potable water sources.
- (d) Water Supply. All water used to fill pool shall be of a potable source or a source that is acceptable to the Commissioner.

Authority: T.C.A. §\$4—5—202, 68—14—301 through 68—14—323, 68—14—302(a), 68—14—303(3) and 68—14—403. **Administrative History:** Original rule filed February 29, 1996, effective June 28, 1996

1200—25—1—.03 MINIMUM DESIGN STANDARDS FOR SWIMMING POOLS OWNED BY MULTI—FAMILY RESIDENTIAL HOMEOWNER ASSOCIATIONS.

(1) General - These design standards shall apply to all swimming pools constructed or altered before June 12, 1995. All definitions and requirements in the law and regulations are also considered a part of these standards. For design features not specifically addressed in these regulations (1200—24—1—.03), the Commissioner shall evaluate same and approve or disapprove said design features as appropriate.

(Rule 1200—25—1—.03

- (2) Definitions
 - (a) Bull-Nosed Coping means a rounded edge of the coping that can be used as a hand-hold.
 - (b) Diatomaceous Earth means a type of filter media that is obtained from the fossil remain of microscopic marine plants and is used in a thin coating over filter septa or bags.
 - (c) Face Piping means piping, valves and fittings that are used to connect the filtering system together as a unit that are necessary to achieve complete filtering and backwashing functions.
 - (d) Filter Backwash means the process of cleaning a swimming pool filter by reversing the flow of water through it.
 - (e) Filter Media means any fine grain material, carefully graded as to size, that entraps suspended particles as water passes through.
 - (f) Heater means a device through winch pool water is circulated to increase the temperature.
 - (g) Hydrostatic Relief Valve means a device used to relieve ground water pressure imposed on the outer shell of the pool.
 - (h) Main Drain Piping means piping connecting the main drams to the pump suction.
 - (i) N.S.P.I. means National Spa and Pool Institute.
 - (i) Outlet means main drain, vacuum or overflow.
 - (k) Recirculation System means the entire system of pipes, pumps and filters that allow water to be taken from the pool, filtered, treated, and returned to pool.
 - (1) Return Inlets or Inlet means the fittings or openings through which filtered water enters the pool.
 - (m) Return Piping means piping which conveys the filtered water under pressure from the filter to the pool.
 - (n) Skimmer means a device Other than an overflow trough that is used to continuously remove surface water and floating debris from a pool.
 - (0) Surge Tank means a device of such material, shape, and capacity as to adequately receive the surge water from indirect or direct overflows, so constructed and located as to be easily cleaned.
 - (p) Tamperproof requires tools to alter or remove portions of the equipment
 - (q) Vacuum Outlets means the fittings in the pool which are used to connect the under-watersuction cleaning equipment
 - (r) Vacuum Piping means the piping which connects the vacuum fittings to the return piping.
- (3) Plans And Specifications For Review
 - (a) No person shall begin construction of a public swimming pool or shall substantially alter or reconstruct any public swimming pool without first having submitted plans and

specifications to the Department for review and received approval. All plans and specifications shall be submitted in duplicate.

- (b) No permit to operate a swimming pool shall be issued after these rules become effective unless said pool design has been approved by the Commissioner.
- (c) All type pools shall be designed and constructed to withstand all anticipated loadings and for both full and empty conditions. A hydrostatic relief value shall be provided in areas having a high water table. The designer or architect or engineer shall certify the structural stability and safety of the pool in the plans and specifications submitted.
- (d) Plans shall be drawn to scale and include:
 - 1. The name of facility, location, and names and addresses of all owners and operators;
 - 2. The perimeter, surface area, volume of the pool, total deck area, turnover rate, and maximum bather load:
 - 3. A detailed layout of pool, including fencing, all pool facilities and related structures;
 - 4. Top and cross-sectional diagrams with dimensions so that depths and clearances may be determined for all areas of the pool;
 - 5. All equipment (fittings, ladders, diving boards, main drain(s), surface skimmers, overflow gutters, inlets, lights and other applicable equipment) with spacing with dimensions:
 - 6. Layout and slope of deck area, indicating size, location of hose bibb(s), depth markings, deck drains, and area to be lighted;
 - 7. Plumbing diagram showing all pipe sizing and location;
 - 8. Equipment room diagram showing layout and elevation, sump, floor drain(s) and other equipment and facilities;
 - 9. Complete equipment list with manufacturer specifications to include model number, size, capacity, horsepower, etc;
 - 10. Source(s) of water,
 - 11. Method of sewage disposal;
 - 12. Design of gas chlorination system showing location in relation to the pool and other structures; and
 - 13. Other information as requested by the Department
- (e) After all piping has been installed and before it is covered, the owner or operator shall notify the Department so that a complete piping inspection can be conducted. The owner or contractor shall notify the Department at other specified stages of construction for interim inspections, if such a request is made.
- (4) Design Standards

(a) Bathhouses - Bathhouse facilities shall be provided within two hundred (200) feet for all Type "A" pools. At Type B, C, & E pools facilities shall be provided within eight hundred (900) feet of the pool. Bathroom facilities used in conjunction with living or lodging can be substituted for criteria as set forth in the following subparagraph, "Bathhouse Facilities."

(b) Bathhouse Facilities

 Toilet and shower facilities shall be provided in the following ratios for the number of swimmers indicated or major fraction thereof

	Males	Females
Water Closets	1/75*	1/50*
Urinals	1/75*	_
Lavatories	1/100*	1/100*
Showers	1/50*	1/50*

^{*}Number of swimmers

- 2. Hose Bibbs Shall be provided for flushing down dressing rooms and bathhouse interior. Each hose bibb shall be equipped with an approved backflow prevention device.
- 3. Floors The floors of the bathhouse shall be of impervious material, graded to drain, smooth and without a slick finish_Floor drains shall be located to ensure drainage of all parts of the budding.
- 4. All dressing room booths, if provided, shall be made of durable materials.
- 5. Lighting and Ventilation All bathhouse shower and dressing room areas shall be ventilated and lighted. Minimum lighting in dressing room areas shall be not less than ten (10) foot candles at a point three (3) feet from the floor. Ventilation shall be sufficient to prevent condensation and odor accumulation.
- 6. Soap holders or dispensers shall be provided at each lavatory and shower head at the rate of one dispenser or bar rack for every two lavatories and each shower head.
- 7. Water under pressure shall be provided at all shower heads at the rate of two (2) gallons per minute, and at all lavatories. Hot water shall be a minimum of ninety (90) degrees Fahrenheit and shall not exceed one hundred twenty (120°) degrees Fahrenheit
- 8. Towels Single service towel holders or blower type hand dryers shall be provided at each handwashing facility at the rate of one approved dispenser per four lavatories.
- 9. Facilities shall be finished in light colors, and designed so that good sanitation can be maintained.
- (c) Coding Of Piping And Equipment AD piping, valves, and equipment are to be labeled with legible print stating the following:
 - 1 Water lines potable
 - 2. Recirculation filtered, skimmer or gutter return, main dram
 - 3. Chemical lines Alum, Chlorine (gas and solution), soda ash, acid

- 4. Waste lines Backwash waste, sewer (sanitary or otherwise), deck drains
- 5. Other Compressed air, gas (natural or bottled), etc.

(d) Construction Material And Finish

- 1. Swimming pools shall be constructed of materials that are inert, non-toxic, impervious, permanent and enduring. The materials shall be able to withstand the design stresses and be water tight, with a smooth and easily cleaned surface. The materials shall be finished in a white or light color.
- 2. Sand, earth, or vinyl liners are not permitted in swimming pool construction.
- 3. All sections of a flume or slide for Type "E" pools shall be designed and constructed to prevent abrasion or injury All surfaces shall be sealed and smooth.
- 4. Ledges and/or seats inside Type A, B and C pools, located below the normal water level, shall be clearly identified by warning sign(s) or by being colored in contrast with the rest of the pool lining.

(e) Deck Areas

- 1. Deck areas shall be continuous around the pool with a minimum width as follows:
 - (i) Type A: eight (8) feet;
 - (ii) Type B: six (6) feet;
 - (iii) Type C: four (4) feet;
 - (iv) Type D: no minimum requirement; and
 - (v) Type E: eight (8) feet around the exit of the landing pools, four (4) feet around the starting point.
- 2. A minimum of three (3) feet of deck width shall be provided on the sides and rear of any piece of diving or sliding equipment and lifeguard chairs.
- 3. The deck shall be constructed of non-slip durable material and have a finish that will be of no hazard to bare feet. It shall have a slope of not less than one-fourth (1/4) inch nor more than three-eighths (3/8) inch to the foot and shall be so designed as to conduct drainage away from the pool area in a manner not to create or maintain standing water All deck drainage shall be "to waste". Deck drams shall be installed where necessary to prevent standing water.
- 4. Hose bibbs shall be provided around the perimeter of the deck area at intervals such that all parts of the deck can be reached with a hose.
- (f) Depth The beginning depth in the shallow portion shall not be less than three (3) feet and shall not exceed three (3) feet six (6) inches, except for restricted use pools, such as competitive swimming, diving or wave-pool.
- (g) Depth Markers At All Type A, B, And E Pools The depth of the water shall be plainly marked in feet on both sides and at each end at or above the water surface on the vertical pool wall and on the coping or deck next to the pool and at maximum and minimum depths of the pool. Depth markers shall be spaced at intervals no greater than twenty (20) feet with numerals of at least four (4) inches in height and of a color contrasting with the background. Where depth markings are required they shall be in whole foot increments of depth except

across the shallow end the depth shall be marked to the nearest one half (1/2) foot increment of water depth.

(h) Diving Area/Equipment

- 1. Where diving boards or towers are provided, minimum dimensions of pools, maximum clearances from diving board(s), and other required dimensions for diving equipment and pools shall be in accordance with Figure 1.
- 2. Diving boards and towers in excess of three (3) meters in height are prohibited in a public swimming pool except for pools specifically designed and used for competitive type diving and instruction.
- 3. At least fifteen (15) feet of unobstructed vertical distance shall be maintained above any diving board. This fifteen (15) feet height shall extend ten (10) feet to each side and sixteen (16) feet ahead of the front end of the board. If a pool has more than one diving board, the above distances shall be provided for each board or tower
- 4. Steps leading to boards, towers or slides higher than I meter shall be provided with handrails that extend to inside of coping edge.
- (i) Drinking Fountain At least one (1) approved drinking fountain shall be provided within 200 feet of Type A pools.

(i) Electrical

- 1. Electrical equipment for all pool facilities shall conform with all applicable local codes and the National Fire Protection Association's National Electric Code.
- 2. Overhead wiring not in conduit, shall not pass within an area extending a distance of twenty (20) feet horizontally away from the inside edge of the pool walls, diving structures, observation stands, towers, or platforms.
- (k) Equipment Room(s) Or Enclosure An enclosed area shall be provided that will prevent unauthorized access to all chemical feeders and filtration equipment. It shall be illuminated, ventilated and sized for ease of operation and accessibility.
- (1) Fencing All pools shall be enclosed by a chain link fence or equal barrier of minimum four (4) foot height. If picket type fencing is used, the spacing between pickets shall not exceed five (5) inches. The top of the bottom rail shall not exceed five (5) inches above grade, and the top rail shall be no less than forty-three (43) inches above grade. Enclosures or barriers shall be equipped with gates or doors that can be locked when the pool is not in. use. Fencing and/or barriers shall be maintained in good repair
- (m) Fill Spout The fill spout shall be located underneath the diving board or within four (4) inches of a pool ladder and not protrude beyond the edge of the pool. If the pool has no diving board or ladder, the fill spout shall not extend beyond the edge of the pool coping or otherwise be located so as to create a tripping hazard.

(n) Filters

1. Diatomite Filters - The filter rate for diatomite filters shall not exceed two (2) gallons per minute per square foot of filter surface area.

- 2. Sand-High Rate Filter rate shall not exceed fifteen (15) gallons per minute per square foot of filter surface area. The filter(s) shall be provided with pressure gauges for determining the need for backwashing, backwash sight glass, and air-relief device. The backwash rate shall not be less than the filter rate.
- 3. Cartridge Filters shall be of a disposable or washable element. Rate of flow shall not exceed 0.2 gallons per minute (GPM) per square foot of filter surface area at all type pools. One extra complete set of filter units shall be on hand at all times at the pool.
- 4. Other Any filters other than those described above that are functionally equivalent may be approved by the Department.
- 5. Design shall include plans for backwashing and/or cleaning filters.
- 6. All type filters shall comply in all respects with the Standards of the National Sanitation Foundation covering such filters.
- (o) Filter Backwash Backwash from the filter(s) shall be piped to a sanitary sewer or other disposal method approved by the Department. In all cases of filter backwash discharge, an air-gap shall be provided with a minimum of six (6) inches between the discharge pipe and top of the sump or sewer piping. Both the sump and the exit pipe shall be sized to accommodate the backwash flow.

(p) Gas Chlorine

- 1. Chlorination equipment shall be located so that an equipment failure or malfunction will have minimum effect on pool users or other adjacent facilities in an emergency.
- 2. Facilities for securing cylinders shall be installed.
- 3. If installed below grade or within an enclosure, the area shall be provided with an airtight duct from the bottom of the enclosure to atmosphere in an unrestricted area, a motor driven exhaust fan capable of producing at least one air change per minute and automatic louvers of good design near the top of the enclosure for admitting fresh air.
- 4. Elemental chlorine feeders should be activated by a booster pump using recirculated water supplied via the recirculation system. The booster pump should be interlocked to the filter pump to prevent feeding of chlorine when the recirculation pump is not running.
- 5. Connections from the cylinders to the system depend on the type of chlorinator to be used and shall comply with the chlorinator manufacturer's recommendation.
- 6. Electrical switches for the control of artificial lighting and ventilation within the enclosure shall be on the outside of the enclosure and adjacent to the door.
- (q) Hair/Lint Strainer A corrosion-resistant strainer (except for vacuum Diatomite Filters) located on the vacuum side of the filtration pump shall be provided to remove solids, debris, hair, lint, etc.
- (r) Lifeline In Type, A and B pools where the maximum pool depth exceeds five (5) feet six (6) inches, there shall be a lifeline, provided with floats made of soft material of contrasting color located at not more than five (5) feet intervals, separating the shallow and the deep end at or before the five (5) feet depth area. The lifeline shall be made of polypropylene or nylon, be a minimum of three-fourths (3/4) inch diameter and be in good condition. "Wave" type pools shall be exempted from this requirement

- (s) Life Guard Chairs There shall be a minimum of one (1) elevated lifeguard chair provided for all Type "A" pools with a minimum of eighteen hundred (1,800) square feet of pool surface area. The number of square feet with required number of lifeguard chairs follow:
 - 1. 1,800 3,000 1 lifeguard chair 3,001 - 6,000 2 lifeguard chairs 6,001 - 9,000 3 lifeguard chairs
 - 2. An additional chair per each additional 3,000 square feet.
 - 3. All other pools shall meet the same requirements relative to lifeguard chairs as Type "A" pools when there is a diving board of one (1) meter or more.

(t) Lighting

- 1. Artificial lighting shall be provided at all pools that are to be used at night or which do not have adequate natural lighting. A minimum of five (5) foot candles. per square foot at the deck level shall be provided.
- 2. When underwater lighting is used, not less than 0.5 watts shall be provided per square foot of pool surface area. Lights shall be positioned so that all portions of the pool are clearly visible to an observer on the pool deck.
- 3. Overhead Lights There shall be no light fixtures directly above the water surface.

(u) Main Drain

- 1. All pools shall be provided with a main drain outlet(s) at the deepest point of the pool. Type C, D, and E pools shall have a minimum of two (2) interconnected main drains. Jet pump type systems shall be connected to the interconnected main drains.
- 2. Each floor outlet grate area shall be such that when the maximum flow of water is being pumped through the floor outlet, the velocity through the open area of the grate shall not be greater than two (2) feet per second. Floor outlet grates shall be anchored, tamperproof with slots not more than one-half (1/2) inch wide.
- 3. When the outlet grates are of the anti-vortex type, maximum entrance velocities may be increased to six (6) feet per second. All main drains shall be of corrosion-resistant materials.

(v) Operation Instructions

- 1. Upon completion of the pool, the builder shall give the owner and/or operator complete written instructions on the operation and maintenance of the pool and equipment
- 2. These instructions, including the valve schedule, shall be supplied in not less than two (2) copies. One copy shall be encased in a waterproof covering available to the pool operator and to the Department's representative during inspection.

(w) Overflow Gutters

- 1. Overflow gutters shall be required on all pools with a surface area greater than 5,000 sq. ft. Pools of less than 5,000 sq. ft. shall have overflow gutters or be equipped with at least one skimmer for each 500 sq. ft.
- 2. Overflow edge of the gutters shall be level within one-eighth (1/8) inch and extend completely around the pool except at steps.
- 3. The opening into the gutter beneath the coping shall not be less than four (4) inches. The interior of the gutter shall have a width and depth of at least three (3) inches and be designed to prevent entrapment of bathers' arms and legs. The overflow edge of the lip shall serve as a handhold and be rounded.
- 4. The overflow system shall be capable of continuously removing fifty (50) percent or more of the recirculated water and returning it to the recirculation system through a surge tank with a capacity of not less than one gallon for each square foot of pool surface area.
- 5. The gutter drain outlets shall be constructed of a non-corrosive material and shall be placed on a maximum of fifteen foot centers. The gutter bottom shall slope toward these outlets with a minimum slope of one-eighth (1/8) inch per foot.
- (x) Piping Piping shall be stainless steel, N.S.F. swimming pool approved re-enforced flex pipe or water type PVC schedule forty (40) or better. Piping shall be designed to move the required quantity of water at a maximum velocity not to exceed six (6) feet per second. The face piping shall be sized as indicated in Table 1. Return piping system shall circle the pool and shall not be reduced in size from the face piping size more than one standard pipe size at the "T" and one size for each two (2) inlets on each side of the "T". Reduction of piping size and number of inlets shall be balanced by having an equal number on each side of the "T".
- (y) Pool Heaters A heater thermostat shall be provided that will turn the heater off should the pool temperature go above one hundred four (104°) degrees Fahrenheit. A heater bypass and valve equal in size to the return face piping requirement shall be provided when the heater core size is smaller than the return face piping.

(z) Pool Inlets

- Inlets shall be spaced not over twenty (20) feet apart, with one inlet within five (5) feet of each comer of the pool and one in each recessed area or recessed step area. They shall be located at least twelve (12) inches below the normal operating water level.
- 2. Inlet fittings shall be of the adjustable rate-of-flow type. Directional flow inlets shall be used with skimmer type pools. Inlets shall not protrude from the floor or wall to create a hazard.
- 3. All type pools shall be required to install a minimum of two (2) inlets.
- (aa) Pressure Gauges Pressure gauge(s) shall be installed and maintained on the influent side of the filter (high rate sand filter), reading in pounds per square inch (psi) and maintained in an operational condition. Pressure gauge(s) on other sand filters and other type filters shall be installed according to manufacturer specifications.
- (bb) Pump And Motor

- 1. The pump and motor shall be of adequate size and capacity to provide the required pool turnover rate, and shall be located to eliminate the need for priming. The pump design shall be based on an assumed total dynamic head of not less than fifty (50) feet of water.
- 2. A corrosion-resistant strainer located on the vacuum side of the filtration pump shall be provided to remove solids, debris, hair, lint, etc.
- 3. Minimum size in horsepower shall conform to applicable criteria in Table 1.
- (cc) Rate Of Flow Indicator Public pools shall be provided with an operational rate of flow indicator that reads in gallons per minute (GPM) located on the discharge line from the filter.

(dd) Recirculation System

- 1. The recirculating system shall be designed to achieve the required turn over rate. The return recirculation system shall be designed to have the capacity to:
 - (i) Flow fifty (50) percent through the overflow or skimming facilities and fifty (50) percent through the main drains.
 - (ii) Eighty (80) percent of the recirculation through the overflow or skimming facilities.
 - (iii) One hundred (100) percent through the main drain(s).
- 2. The recirculating system shall be designed in accordance with Table I below.
- (ee) Sewage Disposal Sewage shall be disposed of according to law.
- (ff) Sidewalls Sidewalls of the pool design shall be as shown in Figure 1. Ledges and/or seats inside the main pool body, below the normal water level, shall conform to the minimum N.S.P.I. standards. The top of the pool wall shall be uniformly level and designed with bull nosed coping or some other acceptable means by which an adequate handhold is provided around the entire pool perimeter All junctions of walls and floors shall be rounded with a minimum six (6) inches radius.
- (gg) Sight Glass An approved sight glass shall be installed to observe backwash waste water from all sand filters.
- (hh) Signs Where no lifeguard is required at Type A, B, & C pools, a warning sip with clearly legible letters at least 4 inches high shall be placed in plain view stating "WARNING NO LIFEGUARD". No diving sign(s) shall be displayed in conspicuous locations at all pools not meeting the minimum requirements for diving. The sip shall read "NO DIVING" with minimum four (4) inch lettering.

(ii) Skimmers

- 1. When skimmers are required, there shall be one skimmer for the first five hundred (500) square feet of pool surface area and one skimmer for each additional five hundred (500) square feet or major fraction thereof.
- 2. No skimmer shall be located closer than five feet to the nearest Wet.

- 3. When surface skimming devices are used, handholds shall be provided which consist of bull-nosed coping not over two and one-half (2 1/2) inches thick or an equivalent device. The handholds shall be no more than nine (9) inches above the normal operating water level.
- 4. The skimmer weir shall be automatically adjustable and shall operate freely with continuous action to variations in water level over a range of at least four inches.
- 5. An easily removable and cleanable basket or screen through which all overflow water passes shall be provided to trap large solids.
- 6. Type C and D pool Inlets and outlets shall be provided and arranged to produce complete recirculation of pool water and maintenance of the required residual of sanitizing agent These type pools shall be provided with a means of completely draining the contents of the pool to waste without passing through the filter by a gravity waste line directly from the pool or by pumping and by passing the filter
- 7. Type D pools shall not have any area within 10 feet of the pool that cannot be easily cleaned and/or disinfected. No deck shall be constructed so as to allow drainage into the pool or pool area
- 8. An equalizer line shall be installed for all Type C and D pools.
- (jj) Slope The pool shall have a uniform slope from shallow end to the slope transition point not exceeding one (1) foot vertical to twelve (12) feet horizontal. Where the depth is greater than five feet the slope shall not exceed one (1) foot vertical to three (3) feet horizontal.
- (kk) Steps And Ladders Two (2) or more ladders shall be provided for Type A & B pools. At least one (1) ladder shall be provided for each seventy-five (75) feet of pool perimeter. Ladders shall have a minimum of three steps with non-slip treads. One (1) ladder may be deleted if steps are installed in the shallow end of the pool.
 - Non-slip steps will be allowed on the shallow end and may extend inside the pool provided they are plainly Marked. Where Steps are Used, a minimum of one (1) handrail shall be installed from the mid-point of the bottom step to the deck. Any steps over ten (10) feet wide shall have handrails on the edges and spaced not more than six (6) feet on centers. Steps shall not have a rise of more than ten (10) inches and a tread of twelve (12) inches. Construction of steps and ladders shall conform to criteria as set forth in Figure 1.
- (ll) Turnover Rates Pools shall be designed to filter and disinfect the water according to the following rates:
 - 1. All Class A, B and E pools shall be designed to filter and disinfect the entire volume of water in no more than six (6) hours;
 - 2. An Class C pools shall be designed to filter and disinfect the entire volume of water in no more than one (1) hour,
 - 3. All Class D pools shall be designed to filter and disinfect the entire volume of water in no more than thirty (30) minutes.
- (mm) Vacuum Equipment An operational vacuum cleaning system shall be provided at all pools. Built in vacuum outlets shall not be more than eight (8) inches below the normal operating water level.

- (nn) Water Supply
 - 1. All water used in drinking fountains, lavatories, showers, and hose bibbs shall be from a potable source.
- 2. All water used to fill the swimming pool shall be from a source approved by the Commissioner.
- 3. Hot and cold water under pressure shall be provided at shower heads and lavatories.
- 4. Cross Connections There shall be no cross connections within any portion of the pool facilities. Hose bibbs shall be equipped with an approved backflow prevention device.

TABLE I POOL EQUIPMENT SIZING GUIDELINES

I. Main Pool:

Number of gallons in Pool = GPM Turnover 360

II. Wading Pool:

 $\frac{\text{Number of Gallons in Pool}}{60} = \text{GPM Turnover}$

III. Spas and Whirlpools:

<u>Number of Gallons in Pool</u> = GPM Turnover

30

POOL EQUIPMENT SIZING GUIDELINE

ALL POOLS TURNOVER	MINIMUM PVC PIPE SIZE*	MINIMUM PUMP SIZE	MINIMUM FILTER SIZE HIGH RATE & VACUUM SAND**	
G.P.M.		Horsepower	FT2	Diamet
1-20	1 1/2" (2 1/2" Main Drain)	1/2	1.4	16"
21-30	1 1/2" (2 1/2" Main Drain)	3/4	2.0	20"
31-40	2" (2 1/2" Main Drain)	1.0	2.7	24"
41-60	2" (2 1/2" Main Drain)	1.5	4.0	30"
61-70	2 1/2	2.0	4.7	30"
71-90	2 1/2	2.0	6.0	36"
91-100	3"	2.5	6.7	36"
101-110	3"	2.5	7.3	2-30"
111-130	3"	3.0	8.6	2-30"
131-140	4"	5.0	9.3	2-30"
141-210	4"	5.0	14.0	2-36"
211-220	4"	5.0	14.7	3-36"
221-240	4"	7.5	16.0	3-36"
241-310	6"	7.5	20.7	3-36"
311-330	6"	7.5	22.0	4-36"
331-420	6"	10	28.0	4-36"
421-430	6"	10	28.7	5-36"
431-530	6"	15	35.3	5-36"
531-630	8"	15	42.0	6-36"
631-650	8"	15	43.3	7-36"
651-740	8"	20	49.3	7-36"
741-850	8"	20	56.7	8-36"
851-870	8"	20	58.0	

ALL POOLS TURNOVER	MINIMUM PVC PIPE SIZE*	MINIMUM PUMP SIZE	MINIMUM FILTER SIZE HIGH RATE & VACUUM SAND**	
871-900	8"	30	60.0	
901-940	8"	30	65.0	
941-970	10"	30	65.0	
971-1050	10"	30	70.0	
1051-1090	10"	30	75.0	
1091-1200	10"	30	80.0	
1201-1275	10"	30	85.0	
1276-1350	10"	40	90.0	
1351-1469	10"	40	100.0	
1470-1650	12"	40	110.0	
1651-1742	12"	40	115.0	
1743-1875	12"	50	125.0	
1876-2025	12"	50	135.0	
2026-2100	12"	50	145.0	

- * For Main Drain, Return. Face Piping & valves. Maximum Velocity of 8 ft/sec.
- ** Given 50 ft total dynamic head (T.D.H.) a 0.55 pump efficiency

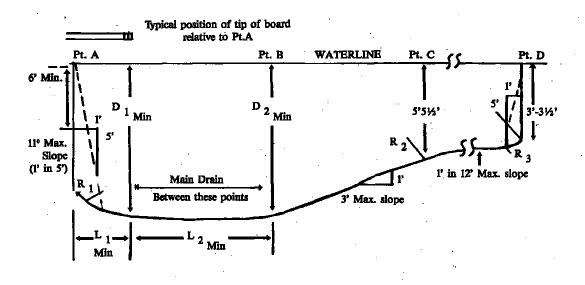
H.P. = G.P.M. X T.D.H.

3960 x Pump Efficiency

*** Maximum 15 gals/min. per re filter surf ace area

Figure 1
Minimum Dimensions for Diving Portion of Pools
(This drawing does not show the shallow portion of the pool)

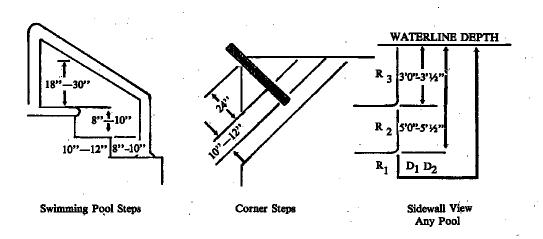
Typical position of tip of board Relative to PT.A



RELATED DIVING EQUIPMENT		MINIMUM DIMENSIONS		MINIMUM WIDTH OF POOL AT:			MAXIMUM RADIUS FROM VERTICAL				
MAX. DIVING BOARD LENGTH	MAX. BOARD HGT. OVER METER	D_1	D_2	L ₁	L_2	PT. A	PT. B	PT. C	R ₁	R ₂	R ₃
10'	26" (2/3m)	(2.59m) 8'6"	(2.59m) 8'6"	(0.76m) 2'6"	(3.66m) 12'0"	(6.10m) 20'0"	(6.10m) 20'0"	(6.10m) 20'0"	20"	12"	8"
12'	30" (3/4m)	(2.74m) 9'0"	(2.74m) 9'0"	(0.81m) 3'0"	(3.66m) 12'0"	(6.10) 20'0"	(6.10m) 20'0"	(6.10m) 20'0"	22"	12"	8"
16'	39.37" (1m)	(3.05m) 10'0"	(3.05m) 10'0"	(1.22m) 4'0"	(6.10m) 20'0"	(6.71m) 22'0"	(6.71m) 22'0"	(6.71m) 22'0"	28"	12"	8"
16'	118.11" (3m)	(3.66m) 12'0"	(3.66m) 12'0"	(1.83m) 6'0"	(6.10m) 20'0"	(7.32m) 24'0"	(7.32m) 24'0"	(7.32m) 24'0"	31"	12"	8"

NOTE: Placement of boards shall observe the following minimum dimensions. With multiple board installation minimum pool widths must be increased accordingly.

1 Meter or Deck Level Board to Pool Side	10' (3.05m)
3 Meter Board to Pool Side	12' (3.66m)
1 Meter or Deck Level Board to 3 Meter Board	10' (3.05m)
1 Meter or Deck Level to another Deck Level Board	8' (2.44m)
3 Meter to another 3 Meter Board	10' (3.05m)



Authority: T.C.A. §§4—5—202, 68—14—301 through 68—14—323, 68—14—302(a), 68—14—303(3) and 68—14—403.

1200—25—1—.04 POSTING OF A SIGN FOR NONCOMPLIANCE.

- (1) Swimming pools owned and operated by multi-family residential housing homeowner associations shall be subject to rules and regulations promulgated by the Department of Health.
- (2) (a) If an inspection of a swimming pool owned and operated by a multi-family residential housing homeowner association results in a finding that minimum health and safety standards are not met, the homeowner's association shall be required to post notice within ten (10) days from the date of the inspection that such swimming pools does not comply with the minimum health and safety standards required by the Department.
 - (b) Such notice shall be posted in a conspicuous manner at each place of ingress and egress by the homeowner's association. Conspicuous manner shall mean at a place designated by the inspector at the time of inspection.
 - (c) Such notice shall be in the form of a sign of durable construction. The sign shall be printed in a color contrasting to the background and shall be printed in letters of at least one inch (1") in height with the exception of the word "Notice" which shall be printed in letters of at least two inches (2") in height Such notice shall include but not be limited to the following:

 Notice

The _____ Swimming Pool Does Not Comply With The Minimum Health And Safety Standards Required By The Tennessee Department Of Health.

(3) Failure to post the notice as provided herein shall subject the homeowner's association to a civil penalty in the amount of fifty dollars (\$50.00) for each day the notice is not posted.

Authority: T.C.A. §§4—5—202, 68—14—301 through 68—14—323, 68—14—302(a), 68—14—303(3) and 68—14—403. **Administrative History:** Original rule filed February 29, 1996, effective June 28, 1996.

1200—25—1—.05 GENERAL PROVISIONS.

- (1) Applicability These rules apply only to swimming pools (1) owned and operated by multifamily residential homeowner associations and (2) constructed or altered before June 12, 1995.
- (2) Loss of permit Any establishment that loses, misplaces, or destroys the permit shall, as soon as such loss becomes apparent, immediately apply for a duplicate. Fee for the duplicate shall be three (\$3.00) dollars. This fee shall accompany the application for such duplicate.
- (3) Posting of permits T.C.A. §68—14—305 requires posting of permits in a conspicuous manner". This shall mean at a place so designated by the inspector at the time of inspection. No person except an authorized representative of the Commissioner shall modify, remove, cover up, or otherwise make the permit less conspicuous in any way.
- (4) Severability If any provision or application of any provision of these rules is held invalid, that invalidity shall not affect other provisions or applications of these rules.

Authority: T.C.A. 4—5—202, 68—14—301 through 68—14—323, 68—14—302(a), 68—14—303(3), 68—14—305 and 68—14—403. **Administrative History:** Original rule filed February 29, 1996; effective June 28, 1996.