

NOTICES OF SUMMARY RULEMAKING

The Administrative Procedure Act allows an agency to use the summary rulemaking procedure instead of the regular rulemaking procedure for repeals of rules made obsolete by repeal or supersession of an agency's statutory authority or the adoption, amendment, or repeal of rules that repeat verbatim existing statutory authority granted to the agency. An agency initiating summary rulemaking shall file the proposed summary rulemaking with the Governor's Regulatory Review Council and the Secretary of State's Office for publication in the next available issue of the *Register*. The proposed summary rule takes interim effect on the date of publication in the *Register*.

NOTICE OF SUMMARY RULEMAKING

TITLE 9. HEALTH SERVICES

CHAPTER 8. DEPARTMENT OF HEALTH SERVICES - FOOD, RECREATIONAL AND INSTITUTION SANITATION

PREAMBLE

1. Sections Affected

R9-8-821
 R9-8-822
 R9-8-831
 R9-8-832
 R9-8-833
 R9-8-834
 R9-8-835
 R9-8-836
 R9-8-837
 R9-8-839
 R9-8-841
 Exhibit A
 R9-8-842
 R9-8-843
 R9-8-844
 R9-8-845
 R9-8-846

Rulemaking Action

Repeal
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2. The specific authority for the rulemaking, including both the authorizing statute (general) and the statutes the rules are implementing (specific):

Authorizing statute: A.R.S. § 36-136(A)(7)

Implementing statutes: A.R.S. § 36-136(H)(11)

3. The interim effective date of the summary rules:

July 6, 1998

4. The name and address of agency personnel with whom persons may communicate regarding the rule:

Name: Will Humble

Address: 3815 North Black Canyon Highway
 Phoenix, Arizona 85015

Telephone: (602) 230-5941

Fax: (602) 230-5817

Or

Name: Kathleen Phillips, Rules Administrator

Address: Department of Health Services
 1647 East Morten Avenue, Suite 180
 Phoenix, Arizona 85020

Telephone: (602) 674-4340

Fax: (602) 861-0491

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5. An explanation of the rule, including the agency's reasons for initiating the rule:

In 1976, ADHS promulgated rules for the design, construction, and maintenance of public and semipublic swimming pools and spas. The rules are contained in Title 9, Chapter 8, Article 8 of the Arizona Administrative Code [See A.A.C. R9-8-801 through R9-8-852]. The existing Title 9 rules have not been updated since 1976.

A.R.S. § 49-104(B)(12), enacted in 1987, transfers the regulatory authority for the design and construction of public and semipublic swimming pools and spas to the Arizona Department of Environmental Quality [ADEQ]. At the same time, A.R.S. § 36-136(G)(14) was amended by removing the authority of the Director of the Department of Health Services [ADHS] to prescribe minimum standards for the design and construction of public and semipublic swimming pools and spas. The amended statute, renumbered as A.R.S. § 36-136(H)(11), requires the Director of ADHS to promulgate rules for the operation and maintenance of public and semipublic swimming pools and spas.

The repeal is necessary because on February 3, 1998, ADEQ adopted rules in Title 18, Chapter 5, Article 2 that supersede the ADHS rules in Title 9 that relate to the design and construction of public and semipublic swimming pools and spas.

6. A showing of good cause why the rule is necessary to promote a statewide interest if the rule will diminish a previous grant of authority of a political subdivision of this state:

Not applicable.

7. The preliminary summary of the economic, small business and consumer impact:

Not applicable pursuant to A.R.S. § 41-1055(D)(2).

8. The name and address of agency personnel with whom persons may communicate regarding the accuracy of the economic, small business and consumer impact statement:

Not applicable.

9. The time, place and nature of the proceeding for the adoption, amendment, or repeal of the rule:

No oral proceedings are scheduled. A person may submit written comments or a written request for an oral proceeding to:

Name: Will Humble

Address: 3815 North Black Canyon Highway
Phoenix, Arizona 85015

Telephone: (602) 230-5941

Fax: (602) 230-5817

Or

Name: Kathleen Phillips, Rules Administrator

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1647 E. Morten Avenue, Suite 180
Phoenix, Arizona 85020

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Fax: (602) 861-0491

Written comments or a written request for a public hearing on the repeal of these rules must be received by the close of business or postmarked on August 3, 1998.

10. An explanation of why summary proceedings are justified:

A.R.S. § 41-1027(A)(1) provides for the repeal of rules made obsolete by the repeal or supersession of an agency's statutory authority.

The summary repeal is necessary because A.R.S. § 49-104(B)(12), enacted in 1987, transfers the regulatory authority for the design and construction of public and semipublic swimming pools and spas to the ADEQ. A.R.S. § 49-104(B)(12) requires the Director of ADEQ to:

Prescribe reasonably necessary measures to prevent pollution of water used in public or semipublic swimming pools and bathing places and to prevent deleterious conditions at such places. The rules shall prescribe minimum standards for the design of and for sanitary conditions at any public or semipublic swimming pool or bathing place and provide for abatement as public nuisances of premises and facilities which do not comply with the minimum standards. The rules shall be developed in cooperation with the director of the department of health services and shall be consistent with the rules adopted by the director of the department of health services pursuant to A.R.S. § 36-136(H)(11).

On February 3, 1998, ADEQ adopted rules in Title 18 Chapter 5, Article 2 of the Arizona Administrative Code governing the design and construction of public and semipublic swimming pools and spas. The rules supersede the ADHS rules in Title 9 that relate to the design and construction of public and semipublic swimming pools and spas. Pursuant to A.R.S. § 36-136(H)(11), ADHS retains the authority to regulate the operation and maintenance of public and semipublic swimming pools and bathing places. A.R.S. § 36-136(H)(11) requires the Director of ADHS to:

Prescribe reasonably necessary measures to prevent pollution of water used in public or semipublic swimming pools and bathing

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places and to prevent deleterious health conditions at such places. The rules shall prescribe minimum standards for sanitary conditions which shall be maintained at any public or semipublic swimming pool or bathing place, and shall provide for inspection of such premises and for abatement as public nuisances of any premises and facilities which do not comply with minimum standards. The rules shall be developed in cooperation with the director of the department of environmental quality and shall be consistent with the rules adopted by the director of the department of environmental quality pursuant to section 49-104, subsection B, paragraph 12.

ADHS is repealing only those rules that relate to the design and construction of public and semipublic swimming pools and spas, and will continue to maintain rules in Title 9, Chapter 8 of the *Arizona Administrative Code* that relate to the maintenance and operation of public and semipublic swimming pools and spas.

11. Any other matters prescribed by statute that are applicable to the specific agency or to any specific rule or class of rules:
None.
12. Incorporations by reference and their location in the rules:
None.
13. The full text of the rules follows:

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**CHAPTER 8. DEPARTMENT OF HEALTH SERVICES
FOOD, RECREATIONAL AND INSTITUTION SANITATION**

**ARTICLE 8. PUBLIC AND SEMIPUBLIC BATHING
PLACES**

Section

- R9-8-821. ~~Drinking water supply~~ **Repealed**
R9-8-822. ~~Fencing~~ **Repealed**
R9-8-831. ~~Plan approval; prohibition~~ **Repealed**
R9-8-832. ~~Application for approval~~ **Repealed**
R9-8-833. ~~Plan documents required~~ **Repealed**
R9-8-834. ~~Swimming pool design~~ **Repealed**
R9-8-835. ~~Plans by registered engineer, architect or swimming pool contractor~~ **Repealed**
R9-8-836. ~~Alteration of plans~~ **Repealed**
R9-8-837. ~~Notification of completion~~ **Repealed**
R9-8-839. ~~Fill and draw pools~~ **Repealed**
R9-8-841. ~~Design standards and specifications; public swimming pools~~ **Repealed**
Exhibit A. ~~Minimum dimensions~~ **Repealed**
R9-8-842. ~~Design standards and specifications; semipublic swimming pools~~ **Repealed**
R9-8-843. ~~Design standards and specifications; wading pools~~ **Repealed**
R9-8-844. ~~Design standards and specifications; water recirculation and filtering system~~ **Repealed**
R9-8-845. ~~Design standards and specifications; disinfection~~ **Repealed**
R9-8-846. ~~Design standards and specifications; bathhouse and dressing room facilities~~ **Repealed**

**ARTICLE 8. PUBLIC AND SEMIPUBLIC BATHING
PLACES**

R9-8-821. ~~Drinking water supply~~ Repealed
Water for drinking purposes shall be supplied from an approved source and dispensed through one or more approved sanitary drinking fountains located on the pool deck.

R9-8-822. ~~Fencing~~ Repealed
All public swimming pools shall be enclosed by a fence for bather control while the pool is in operation and to prohibit any person from using the pool except when a life guard or attendant is on duty. Persons in street clothing shall be excluded from the pool enclosure.

R9-8-831. ~~Plan approval; prohibition~~ Repealed

No public or semipublic bathing place used, or intended for use, by the public or by any school, club, organization or institution shall be constructed, nor shall any such bathing place now or hereafter existing be materially altered or enlarged, before complete plans and specifications therefor, together with such further information as the Department may require, shall have been submitted to and received the written approval of the Department or its designated representative.

R9-8-832. ~~Application for approval~~ Repealed
An Application for Approval shall be made to the Department by the owner on forms furnished by the Department for any proposed bathing place. Such application for approval shall accompany the plans and specifications at the time of submission to the Department for review.

R9-8-833. ~~Plan documents required~~ Repealed
Plans and specifications shall be submitted in quadruplicate to the Department at least 15 days prior to the date upon which action is desired. Plan documents submitted for approval shall include a general plot plan and plans and specifications showing pool shape, dimensions, water treatment facilities, piping arrangement and sizes, source of water supply, method of disposal of wastes, together with all pertinent data upon which the design is based, including capacities of the various units, safety equipment, and other information necessary to permit a clear and full understanding of the proposed project. Where required, detailed plans of bathhouses, dressing rooms, toilets, recreational and other pool appurtenances shall be included.

R9-8-834. ~~Swimming pool design~~ Repealed
Designs for swimming pools shall conform to applicable design criteria specified in R9-8-841 through R9-8-847.

R9-8-835. ~~Plans by registered engineer, architect or swimming pool contractor~~ Repealed
All plans and specifications submitted to the Department for approval must have been prepared by, or under the supervision of, a registered professional engineer or architect or a swimming pool contractor licensed to practice in the state of Arizona.

R9-8-836. ~~Alteration of plans~~ Repealed
All work shall conform to approved plans and specifications. Should it be necessary or desirable to make any material change in the approved plans and specifications which will affect capacity or

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sanitary features of the proposed work, revised plans and specifications, together with a written statement of the reasons for such change, shall be submitted to the Department for review and approval shall be obtained in writing before the work affected by the change is undertaken. Structural changes or minor revisions not affecting treatment, capacity, flow, or operation will be permitted during construction without further approval.

R9-8-837. Notification of completion Repealed

The local county health department shall be notified by the contractor when construction of a public or semipublic bathing place is to be commenced and shall be again notified of the expected completion date so that a final inspection can be made.

R9-8-839. Fill and draw pools Repealed

The construction or operation of fill and draw pools for public or semipublic use is prohibited.

R9-8-841. Design standards and specifications; public swimming pools Repealed

- A. All materials used in the construction of a swimming pool shall be sound, durable and waterproof. The bottom and sides of the pool shall be easily cleanable and finished either white or light colored. Corners should be rounded. Pool sides and bottom shall be smooth and free from cracks.
- B. No projections from the pool wall and floor surfaces shall be allowed except that steps may be constructed in the shallow end of the pool.
- C. For the purposes of these regulations, that portion of a swimming pool 5 feet or less in depth shall be designated as the "non-swimmer" area. That part of the pool deeper than 5 feet shall be designated as the "swimming" area. In designing pools and computing bathing load, pool areas shall be proportioned as follows:
 - 1. 10 square feet of pool surface per bather shall be provided in the "non-swimmer" area.
 - 2. 24 square feet of pool area shall be provided for each swimmer in the "swimming" area.
 - 3. 300 square feet of pool area shall be reserved around each diving board or diving platform. This reserved area shall not be included in determining the "swimming" area.
- D. Water depth shall be conspicuously and durably marked on the walls and deck of the pool and shall be visible in or out of the water. Markings at 1 foot depth intervals to a depth of 5 feet are required and thereafter markings shall be located in accordance with the design of the pool for maximum protection of swimmers. Depth markers shall be in numerals of 4-inch minimum height and of a contrasting color.
- E. Overflow gutters shall:
 - 1. Be installed continuously around public swimming pools, with the lip of the gutter level throughout its perimeter.
 - 2. Provide a hand hold for swimmers.
 - 3. Be at least 2 1/2 inches deep at the high point of the channel.
 - 4. Be provided with sufficient opening at the top and width at the bottom to permit easy cleaning.
 - 5. The gutter bottom shall be pitched 1/4 inch per foot to drainage outlets located not more than 10 feet apart. Outlet piping shall be at least 2 inches in diameter and properly covered by a drain grate with openings twice the area of the drain pipe. Gutter drainage may be discharged to sewers, properly constructed to prevent back flow, or to the recirculation system in an approved manner.
- F. Cross-connection between potable water piping and the swimming pool recirculation system is prohibited, and no potable water pipe shall terminate below the overflow level of a swimming pool. Potable water, for make-up purposes preferably,

shall be introduced into a float-controlled tank across an air gap at least twice the pipe diameter but not less than 3 inches above the overflow rim of the tank, or directly into the pool by means of a safely located pipe (fill spout) turned downward with an air gap at least 6 inches above the pool overflow level.

G. Walkways immediately adjacent to the pool shall:

- 1. Be at least 10 feet wide, exclusive of coping, excepting that where diving boards and platforms are installed, the walkway shall extend at least 5 feet to the side and behind the board or platform but not less than 15 feet from the pool wall.
- 2. Slope away from the pool with a pitch of at least 1/4 inch per foot to properly located deck drains. In general, each deck drain shall serve an area not greater than 300 square feet. Walkways shall be constructed of concrete or other acceptable material with non-slip finish free of sharp or jagged edges or surfaces.

H. The walkways and pool shall be enclosed by a durable fence at least 6 feet high. No sand or grass shall be allowed within the fenced enclosure. The only access to the pool by bathers shall be through the bathhouse or dressing room facilities.

I. Ladders shall be provided at both sides of the deep section of the pool and at the division between the "swimmer" and "non-swimmer" areas. If the wall height at the shallow end is greater than 30 inches, ladders or steps shall be provided there also. All steps entering a public pool shall be recessed in an alcove or bay. Ladders must have a handrail on both sides extending above the pool wall. Ladders shall have non-slip flat treads. Step holes in pool walls will not be permitted.

J. The pool and deck areas shall be well lighted by natural or artificial means when in use. Electric wires shall not extend across a swimming pool. Underwater pool lighting shall be designed, installed, grounded and maintained so as not to be dangerous to bathers.

K. A sufficient number of hose bibbs shall be provided around the perimeter of the deck so that all parts of the deck may be reached with a 50-foot hose.

L. All sewage from plumbing fixtures, including but not limited to water closets, lavatories, showers and floor drains, shall be disposed of in a sanitary manner approved by the Department. The backwash from filters and wasted swimming pool water may be disposed of, in whole or in part, by other approved means.

M. No change of slope in the shallow portion shall occur in depths less than 5 feet.

N. Diving equipment shall be rigidly constructed and properly anchored with sufficient bracing to insure stability under the heaviest reasonable load.

O. Diving boards shall be of sound construction, free of splinters or dangerous cracks, and shall be capable of supporting the heaviest load under conditions of reasonable use.

P. At least 12 feet of free and unobstructed headroom must be provided above diving boards and towers.

Q. Diving boards and diving platforms shall be covered or finished with durable non-slip material.

R. Where a diving board or platform is provided the depth of water shall be as follows:

HEIGHT OF DIVING BOARD OR PLATFORM ABOVE WATER LINE	WATER DEPTH IN DIVING AREA
0-1 meter	8 feet-6 inches
1-3 meters	11 feet
3 meters and above	as approved

S. The design of public pools shall conform in general to the dimensions and slopes outlined in Exhibit A.

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R9-8-842. Design standards and specifications; semipublic swimming pools Repealed

- A. The design of semipublic swimming pools shall conform in general to the dimensions and slopes outlined in Exhibit A.
- B. Water depths shall be conspicuously and durably marked on the walls of the pool and shall be visible in or out of the water. Markings at shallow portion, at the change of slope in the shallow portion, and at the deepest portion are required. Depth markers shall be in numerals of 4-inch minimum height and of a contrasting color.
- C. Cross connection between potable water piping and the swimming pool recirculation system is prohibited, and no potable water pipe shall terminate below the overflow level of a swimming pool. Potable water, for makeup purposes preferably, shall be introduced into a float-controlled tank across an air gap at least twice the pipe diameter but not less than 3 inches above the overflow rim of the tank, or directly into the pool by means of a safely located pipe (fill spout) turned downward with an air gap at least 6 inches above the pool overflow level. However, a potable water makeup pipe terminating in a submerged inlet may be used at a skimmer type filter for water level control, provided that the potable water supply is protected against back siphonage by means of a check valve and vacuum breaker. No water connection for any other purpose shall be made on the pool side of the check valve and vacuum breaker combination.
- D. Approved surface skimmers may be substituted for overflow gutters at the rate of one skimmer for each 400 square feet of water surface area or fraction thereof, including the surface area of an attached wading pool, excepting that in pools where the recirculation rate is less than 35 gallons per minute a single skimmer will be permitted. Skimmers shall be recessed into the pool wall and shall be installed with due consideration given to the prevailing summer wind direction. The overflow slot of a skimmer shall be not less than 8 inches nor more than 12 inches in width at its narrowest section and the weir shall be automatically adjustable to variations in water level over a range of 2 inches. Skimmers shall operate at a minimum overflow rate of 20 gallons per minute per lineal foot of weir. The rate of flow through the main drain shall be at least 50% of the capacity of the recirculation system. When the addition of a skimmer, as required in this Section, lowers the minimum weir overflow rate below 20 gallons per minute per lineal foot, such additional skimmer will not be required. An easily removable and cleanable basket or screen through which all overflow water must pass shall be provided.
- E. All sewage, including backwash from filters and wasted swimming pool water, shall be disposed of in an approved manner.
- F. Walkways immediately adjacent to the pool shall:
1. Be at least 4 feet wide exclusive of coping, excepting that where diving boards or platforms are installed the walkway shall extend at least 5 feet to the side and behind the board or platform.
 2. Slope away from the pool with a pitch of at least 1/4 inch per foot to properly located and approved dispersal points. When plans indicate that ordinary dispersal will not be satisfactory, deck drains will be required. Walkways shall be constructed of concrete or other suitable material and shall have a nonslip finish, free of sharp or jagged edges or surfaces.
- G. At least one ladder shall be provided in the deep section of the pool. When the deep section is 20 feet or more wide, there shall be two ladders located on opposite sides of this section of the pool. If the wall height at the shallow end is greater than 30 inches, ladders or steps shall be provided there also. Ladders must have a handrail on both sides extending above the pool

wall and must have nonslip flat treads. Step holes in pool walls will not be permitted.

- H. Subsections (A), (B), (J), (N), (O), and (Q) of R9-8-841 shall also apply.

R9-8-843. Design standards and specifications; wading pools Repealed

- A. In public bathing places, wading pools shall be separated from swimming pools by a fence or partition sufficiently high to prevent the direct entrance of waders into the swimming pool area.
- B. In semipublic bathing places, wading pools may be continuous with the shallow portion of semipublic pools, providing the wading area is separated from the remainder of the pool by a life line or other suitable barrier which shall be installed from wall to wall across the wading area at least 3 feet from the commencement of the main pool.
- C. Walkways shall be provided as required for public and semipublic pools.
- D. Wading pool water shall be cleansed through a swimming pool recirculation system as described under subsection (A) of R9-8-844, but if the wading pool is not connected with a recirculation system, then fresh, clean, chlorinated water shall be fed continuously into the pool and continuously wasted. In either case the water turnover rate for the wading pool shall not exceed 4 hours. When a wading pool is constructed as a separate installation, suitable provision shall be made for skimming the water surface.

R9-8-844. Design standards and specifications; water recirculation and filtering system Repealed

- A. General—The water recirculation system consisting primarily of piping, pumps, filters, water conditioning and disinfecting equipment, together with other standard accessory equipment, shall be adequate to clarify and disinfect an amount of water equal to the contents of the pool within 8 hours or less. Water drawn from the pool shall not be returned to the pool unless it has been filtered and otherwise treated in an approved manner. Time clock controls of filtering operations will not be approved.
- B. Piping—Piping systems shall be:
1. Designed to carry the required quantity of water at a maximum velocity of 10 feet per second.
 2. Of sufficient strength to withstand and sustain operating pressures readily.
 3. Made of non-toxic material.
 4. Reasonably resistant to corrosion under conditions of operation.
 5. So installed and located as to preserve its original quality, condition and capacity and shall have a uniform slope in one direction.
 6. Pipe and fittings which pass through the pool structure shall terminate flush with inside pool walls or bottom.
- C. Identification—Piping systems shall be identified by tags and numbers or appropriate colors painted or located at conspicuous points.
- D. Hair strainer—The recirculation system shall include a removable strainer to prevent hair, lint, etc., from reaching pump and filters. The provision of spare strainer baskets is recommended. Strainers shall be of corrosion resistant material, with openings having a total area equal to 4 times the area of the recirculation pump suction pipe.
- E. Vacuum cleaner—A pool water vacuum cleaning system shall be provided. In integral systems, connections shall be provided in sufficient number and located in the wall of the pool at least 10 inches below the water line.
- F. Adjustable or changeable orifice plate type inlets shall be pro-

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vided. Inlets shall be of sufficient number, properly sized, designed and installed to produce uniform circulation of water and the maintenance of a uniform chlorine residual throughout the entire pool without the existence of dead spots. There shall be at least four inlets for the smallest rectangular pool. It is recommended that each inlet serve a linear distance not greater than 15 feet. One side inlet should be located not greater than 5 feet from each corner, or enter the pool at such an angle that dead spots will not be created. Maximum flow rates through inlet piping shall not exceed the following:

	Pipe Size			
Inside diameter (I.D.)	1"	1 1/4"	1 1/2"	2"
GPM	10	25	35	60

- G. Drains—Swimming pools shall be equipped with one or more main drains located at the deepest part and capable of draining the pool completely in at least 6 hours. Drains shall be covered by gratings which are not readily removable by bathers and which have safe openings at least 4 times the area of the drain pipe. Drains shall be spaced not more than 20 feet apart nor more than 15 feet from side walls.
- H. Gauges shall be installed on the inlet and outlet manifold of filters. Such gauges shall read at 1 pound pressure intervals or in inches of vacuum.
- I. Large sand filter installations shall be provided with positive displacement type chemical feeders designed to feed alum and soda ash.
- J. Flow meter—An accurate rate of flow indicator, reading in gallons per minute, shall be installed and located so that the rate of recirculation and rate of backwash will be indicated. Indicators shall be accurate to 5% under all conditions of flow. The indicator shall have a range of at least 150% of the normal flow rate, including backwash.
- K. In newly installed pressure sand filters, and in existing pressure sand filters as required, the rate of filtration shall not exceed 3 gallons per minute per square foot and sufficient surface area of filter media shall be provided to achieve this rate. Such filters shall be backwashed at a rate of at least 12 gallons per minute per square foot.
- L. Pressure filter systems shall be equipped with a sight glass installed on the waste discharge pipe. Such sight glass shall be readily removable for cleaning.
- M. Air relief valves—Each pressure filter shall be equipped with an air relief piping system connected at an accessible point near the crown.
- N. Access to equipment—Filters shall be designed, located and constructed to permit removal of filter manhole covers or heads for inspection purposes, replacement or repair of the filter elements or media. No filter or filtration system shall be installed beneath the surface of the ground without adequate provision for access for inspection, maintenance and control.
- O. Where pressure or gravity sand filters are used, the filter bed shall consist of at least 24 inches of filter sand and a supporting bed of at least 12 inches of graded gravel or other approved material, which shall serve to support the filter bed and distribute both filtered and backwash water uniformly. The sand shall have an effective size of between 0.4 and 0.55 mm and a uniformity coefficient not exceeding 1.75. The minimum freeboard to the draw-off point shall allow for 40-50% expansion of the sand above the normal level of the top of the filter bed. The underdrain system shall be such that uniform distribution of backwash water shall be assured over the entire bed area.
- P. Where diatomaceous earth is used as the filter media, the filter rate shall not exceed 2 gallons per minute per square foot of effective filter surface area. The septum shall be of corrosion resistant material and shall be so designed as to prevent the passage of filter media into the pool. The determination of the

filter area shall be made on the basis of a true and effective supported septum surface. In the case of fabric septums, the area computation will be made on the basis of measurements of the septum support in a reasonably constant plane. Area allowances shall not be granted for folds in the septum fabric or deviations in the septum surface which would easily bridge. The filters shall be designed, installed and operated to maintain the required purity and clarity of the pool water under all operating conditions. Facilities shall be provided by which a precoat can be placed upon the filter elements after each cleaning. Diatomite filter installations on large public pools shall be equipped with a slurry feeder with sufficient capacity to feed 0.1 lb. of filter aid material per square foot of filter area per 24 hour period.

R9-8-845. Design standards and specifications; disinfection Repealed

- A. Disinfecting agents—Effective water disinfection shall be provided and maintained in all pools. This shall be accomplished by chlorination or other approved methods which will maintain in the pool water an adequate, readily measurable, residual amount of the disinfectant to counteract pollution introduced into the water. The use of chlorine ammonia disinfection treatment shall not be permitted without special approval. The addition of undissolved disinfectant directly into the pool is prohibited.
- B. Gaseous disinfectants—All chlorine gas feeding equipment shall be of the solution feed type, shall not be readily accessible to bathers or the public and shall be placed in a well ventilated area, preferably a separate room with an outside entrance. Such room shall be provided with mechanical ventilators with intake near floor level which discharge directly to the outside air. Operating switches shall be clearly marked and located outside of and near the entrance.
- C. Liquid disinfectant—Hypochlorite solutions shall be fed by an acceptable type of hypochlorinator.

R9-8-846. Design standards and specifications; bathhouse and dressing room facilities Repealed

- A. In all swimming pools:
 1. The general layout of bathhouses shall be such that bathers leaving the dressing room pass the toilets and showers, in sequence, before entering the pool. Entrance to the swimming area shall be located at or near the shallow end of the pool.
 2. Separate dressing rooms shall be provided for each sex and equipped with baskets or other checking facilities adequate for the maximum number of people to be accommodated.
 3. All entrances to, and exits from, the dressing rooms shall be effectively screened to interrupt the line of sight of persons outside the dressing rooms.
 4. Walls and partitions of dressing rooms and locker rooms shall be of smooth material with a finish impervious to moisture.
 5. The lower edge of partitions between dressing compartments shall terminate not less than 6 inches above the floor.
 6. Floors shall be of nonslip construction, free of open cracks and sloped to adequate drains. (Floor slope to be 1/4 inch to the foot.)
 7. All furniture shall be of simple character, easily cleanable. Locker compartments, furniture and other appurtenances in dressing rooms shall be so installed or raised above the floor as to permit thorough cleaning and flushing of the floor.
 8. Hose bibbs shall be provided for flushing down the dress-

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- ing rooms and bathhouse interior.
9. Dressing rooms shall be adequately ventilated and lighted.
10. Toilet facilities, in properly ventilated and lighted compartments, shall be provided for each sex in accordance with the table below. Lights shall be so located that all toilet seats are clearly illuminated when the compartment doors are closed.

MEN

- 1 toilet for each 60 bathers or fraction thereof.
1 urinal for each 60 bathers or fraction thereof.

WOMEN

- 1 toilet for each 40 bathers, or fraction thereof, but in no case shall less than 2 toilets be provided.
11. Shower and handwashing facilities with hot and cold water and soap dispensing equipment, shall be provided

in accordance with the table below. Tempered water only will be provided at all shower heads. Water heater and thermostatic mixing valve shall be inaccessible to bathers and shall be capable of providing 2 gpm of 90° F. water to each shower head.

MEN & WOMEN

- 1 shower for each 40 bathers or fraction thereof.
1 lavatory with mirror for each 60 bathers or fraction thereof.

For privacy, it is recommended that individual showers and dressing rooms be provided for women.

- B. Semipublic pools which provide clean and sanitary private rooms, including toilet, body washing, and drinking water for all bathers, shall be deemed to have complied with subsection (A) above.

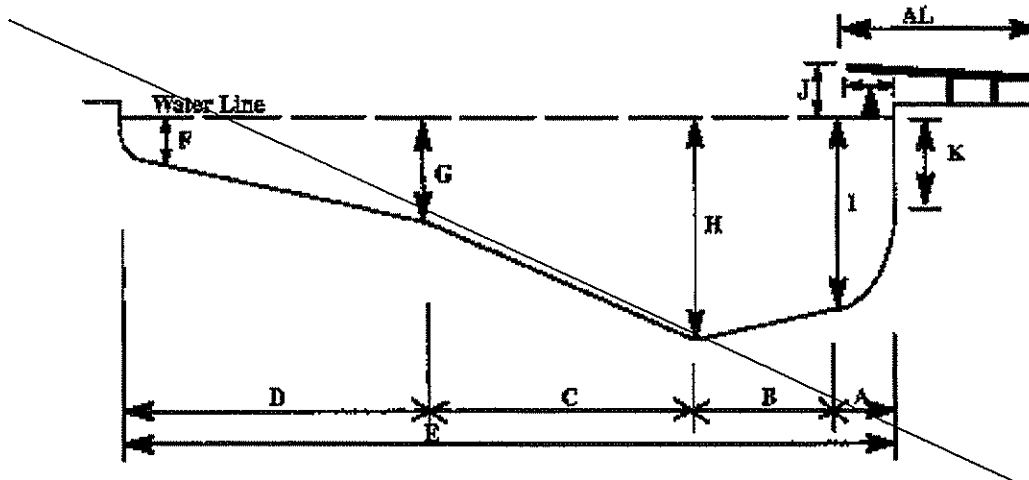
EXHIBIT A
MINIMUM DIMENSIONS

Minimum Dimensions—Semi-Public Shallow Pool Without Diving Facilities

A	B	C	D*	E	F	F**	G	H	I	K
2'6"	4'6"	8'	10'	30'	Min: 2'0"	Max: 3'	4'	6'	5'6"	3'

* Maximum Slope—Shallow End—1'/10'

** Exceptions may be approved for special use pool
 is:



Minimum Dimensions—Semi-Public Pools With Diving Boards

A	AL	B	C	D*	E	F	F**	G	H	I	J	K
3'0"	10'	8'	12'0"	20'	43'	Min: 2'0"	Max: 3'	5'	8'	7'	0-24"	3'
4'0"	12'	8'	12'0"	20'	44'	2'0"	3'	5'	8'	7'	0-30"	3'
4'6"	14'	8'	13'6"	20'	46'	2'0"	3'	5'	8'6"	7'	0-3'3"	3'
5'0"	16'	8'	14'0"	20'	47'	2'0"	3'	5'	8'6"	7'	0-3'3"	3'

* Maximum Slope—Shallow End—1'/10'

Minimum Distance From Side Wall for 0 to 1 Meter Diving Board—8'

Minimum Distance From Side Wall Above 1 Meter Diving Boards—12'

Minimum Distance Between Diving Boards—12'

Minimum Dimensions—Public Pools With Diving Boards

A	AL	B	C	D*	E	F	F**	G	H	I	J	K
4'6"	14'	8'	13'6"	30'0"	56'	Min: 2'0"	Max: 3'	5'	8'6"	7'	0-3'3"	3'
5'0"	16'	8'	14'	30'0"	57'	2'0"	3'	5'	8'6"	7'	0-3'3"	3'
4'6"	14'	10'	20'	30'0"	65'	2'0"	3'	5'	11'	9'	3'3"up	4'
5'0"	16'	10'	20'	30'0"	65'	2'0"	3'	5'	11'	9'	3'3"ip	4'

* Maximum Slope—Shallow End—1'/15'

Minimum Distance From Side Wall for 0 to 1 Meter Diving Board—8'

Minimum Distance From Side Wall Above 1 Meter Diving Boards—12'

Minimum Distance Between Diving Boards—12'

** Exceptions may be approved for special use pools.