



Township of Concord

DELAWARE COUNTY

*COUNCIL: Dominic A. Pileggi, John J. Gillespie, Elizabeth A. Salvucci,
Thomas J. Mahoney, Margaret S. Franke, Joshua Twersky, John L. Crossan*

MEMORANDUM

TO: All Inground Pool Applicants
SUBJECT: Inground Pool Requirements
DATE: January 2, 2018

In-ground Pool Requirements

Engineering Requirements

- E&S permits, stormwater management, final lot grade inspections and as-built plans are required as noted on the Township's February 2006 revised E&S permit (attached)
- All plans should be sealed by a Pennsylvania registered engineer or surveyor; as built plans need not be sealed, though the pool company assumes responsibility for errors therein.
- All plan submissions should address the minimum plan requirements of Section 148-16 and Section 148-46 of the Township Code, as applicable. (The Township Code is available online at www.twp.concord.pa.us) Note the Township will accept legible plans, minimum of 11" x 17" in size and 30ft = 1in scale.
- **Before construction begins, set back lines and pool equipment location are to be staked out by a registered surveyor, (PA-PLS) and preserved until construction is complete.**
- All plans should note the applicant and owner are responsible for any damage within the public right-of-way.

Code Department Requirements

- Plans must show all structures on the property including the proposed pool and pool equipment with dimensions from property lines and also include the building envelope to ascertain zoning requirement compliance.
 1. **As aforementioned, preceding any site work the project's site design professional (PA-PLS/PE) shall stake-out referenced property line delineating required zoning set-backs.**
 2. **Upon staking, and prior to finalization of the "decking pour", the project's site design professional (PA-PLS/PE) must submit signed, sealed letter that all planned improvements are within the building envelope. A field inspection is required to be also scheduled at this time.**

- Pool "structure" plans must be signed and sealed by PA registered engineer or architect, and dated.
- **Pool Company is responsible for "Pool Bonding and Deck Bonding" grid electrical inspections.** Municipal approval cut cards required prior to final co inspection.
- Separate "Electrical Permit" is required for Pool wiring only. Such permit must be submitted at the same time as the pool permit.
- **An "as-built" SITE PLAN must be submitted and approved before final CO can be requested.** Such plan must clearly indicate the exact distance from property lines the location of pool and associated equipment. Such plan must be of professional quality.
- All residential swimming pools, hot tubs or spas must be secured with a barrier, not less than 4 ft. off the ground, (for more information about barrier standards you may contact the Township's office at extensions, 103, 104 or 127). All gates accessing this barrier must be self-closing, self latching and be equipped with a locking device to prevent access to the pool, hot tub, or spa when not in use.
Exceptions: Spas or hot tubs with a safety cover which complies with ASTM F1346.
- When the wall of the dwelling serves as part of the barrier one of the following conditions must be met:
 1. The pool shall be equipped with a powered safety cover in compliance with ASTM F1346; or
 2. All doors with direct access to the pool through that wall shall be equipped with an alarm which produces an audible warning when the door and its screen, if present, are opened. The alarm shall sound continuously for a minimum of 30 seconds immediately after the door is opened and be capable of being heard throughout the house during normal household activities. The alarm shall automatically reset under all conditions. The alarm system shall be equipped with a manual means, such as touchpad or switch, to temporarily deactivate the alarm for a single opening. Such deactivation shall last for not more than 15 seconds. The deactivation switch(es) shall be located at least 54 inches above the threshold of the door.
 3. Other means of protection, such as self-closing doors with self-latching devices, which are *approved* by the governing body, shall be acceptable as long as the degree of protection afforded is not less than the protection afforded by Items 1 & 2 as described above
- **Heated Pools shall be provided with Energy conservation measures in accordance with §N1103.8.1 through §N1103.8.3 of 2009-IRC.**
 1. **Pool heaters.** All pool heaters shall be equipped with a *readily accessible* on-off switch to allow shutting off the heater without adjusting the thermostat setting. Pool heaters fired by natural gas or LPG shall not have continuously burning pilot lights.
 2. **Time switches.** Time switches that can automatically turn off and on heaters and pumps according to a preset schedule shall be installed on swimming pool heaters and pumps.
 Exceptions:
 1. Where public health standards require 24-hour pump operation.
 2. Where pumps are required to operate solar- and waste-heat-recovery pool heating systems.
 3. **Pool covers.** Heated pools shall be equipped with a vapor retardant pool cover on or at the water surface. Pools heated to more than 90°F (32°C) shall have a pool cover with a minimum insulation value of R-12.

CONCORD TOWNSHIP – DELAWARE COUNTY, PENNSYLVANIA

**NOTICE TO ALL PROPERTY OWNERS PLANNING
TO DEVELOP LAND IN CONCORD TOWNSHIP
AND
REIMBURSEMENT FORM**

The Township Engineer, Township Solicitor, and/or Traffic Engineer/Consultant, and/or Land Planning Consultant review various land development and subdivision plans (sketch, and/or preliminary, and/or final plans), soil erosion & sedimentation control plans, landscape plans, lighting plans, and other documents and submissions pertaining to land development.

The Township must be reimbursed by the Applicant for any costs incurred for plan reviews made by the Township Engineer, and/or Township Solicitor, and/or traffic Engineer/Consultant, and/or Land Planning Consultant, and for inspections of construction work made by the Township Engineer, and/or other professional. Further, the costs of any meeting held with our Township Engineer, and/or Township Solicitor, and/or Traffic Engineer/Consultant, and/or Land Planning Consultant at the request of an Applicant and/or his Architect or Engineer also must be borne by the Applicant. Bills will be mailed for all reimbursable fees, at the current rate.

Before making the first contact with our Township Engineer, and/or Township Solicitor, and/or Traffic Engineer/Consultant, and/or Land Planning Consultant, the Applicant must sign this notice acknowledging that he/she is aware of the costs to be paid by him/her.

I have read this notice, and I am aware of the costs to be paid by me.

Title of the Plan being submitted

Name of Applicant

Signature of Applicant

Street Address

Date

City, State, Zip

Telephone number

Fax number

E-mail Address

**Application for Sediment and Soil Erosion (E&S) Control Permit
[Stormwater Management Permit Application]**

The undersigned hereby applies for review by the Concord Township Engineer of the plan submitted herewith and described below.

Applicant Name: _____

Address: _____

Phone #: _____ Fax #: _____ e-mail: _____

Owner Name: _____

Address: _____

Phone #: _____ Fax #: _____ e-mail: _____

Site Address: _____

Description: _____

Plan Prepared by: _____ Plan Date: _____

- Proposed activity [check all that apply]:** Pool Patio/Deck Residential Bldg. Addition
 Non-Residential Bldg. Addition Subdivision/Land Development
 Other _____

Total Earth Disturbance: _____ SF Lot Area: Acre _____ SF _____

Total Impervious Coverage ¹: _____ SF % of Lot Area Disturbed: _____ %

¹ Include all impervious coverage installed since January 1, 2003 and impervious coverage proposed with this application.

The undersigned hereby certifies that, to the best of his/her knowledge and belief, all information listed above and all information and statements contained in any papers or plans submitted herewith are true, correct, and complete.

Applicant signature _____ Date: _____

Owner signature _____ Date: _____

~~~~~

**For Township use only:**                      **Tax Parcel No.** \_\_\_\_\_

**(1) E & S Permit Required:**     YES     NO    **(2) Stormwater Mgmt. Required:**     YES     NO

**(3) Final Lot Grade Inspection Req'd:**     YES     NO    **(4) As-Built Plan Req'd:**     YES     NO

**Township Official Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Application Fee:** \$ \_\_\_\_\_ **Escrow Required:** \$ \_\_\_\_\_

**Permit Expiration Date:** \_\_\_\_\_

**Notes:**

The following is provided to clarify the Sediment and Soil Erosion Control (E&S) permit process at Concord Township:

- (1) Generally, an E&S permit is required for:
  - Earthmoving on an existing developed lot up to 10,000 square feet or 10% of the lot, whichever is less, provided that the changes will not alter drainage patterns, accelerate erosion or interfere with stormwater control measures previously installed.<sup>1</sup>
  - Impervious coverage expansion exceeding 1,000 square feet<sup>2</sup>

Additional provisions and exemptions may apply, please refer to §148-10 and §148-11 of the Township Code.

- (2) Generally, stormwater management is required for impervious coverage expansion exceeding 1,000 square feet.

Please refer to §148-44.A.(2) of the Township Code

*Note: On July 13, 2004, the Township, in accordance with state regulations, adopted an Act 167 Plan entitled "Chester Creek Watershed Management Plan". This plan, part of §148, provides provisions for plan submission requirements, stormwater management design requirements as well as additional requirements for all areas located within this watershed. Generally, most areas of the Township east of Route 202 (Wilmington-West Chester Pike) are located within this watershed; however, all applicants are responsible to verify this information. A copy of this map is available at the Township building.*

- (3) Final lot grade inspections are required for all subdivision and land developments, all pool installations, for all projects involving stormwater management, or as deemed necessary by the Township Engineer
- (4) As-built plans are required for all subdivision and land developments and all pool installations, or as deemed necessary by the Township Engineer

<sup>1</sup> All plans shall clearly delineate the proposed limit of disturbance in order to determine the applicability of the above exemption, this includes all antecedent grading, construction entrances, topsoil stockpiles and the like required for the proposed project.

<sup>2</sup> Includes all impervious coverage installed since January 1, 2003 and impervious coverage proposed with this application. An "impervious surface" is defined by §148 as "materials which are essentially impermeable and thus unable to absorb liquid."



# Township of Concord

DELAWARE COUNTY

*COUNCIL: Dominic A. Pileggi, John J. Gillespie, Elizabeth A. Salvucci,  
Thomas J. Mahoney, Margaret S. Franke, Joshua Twersky, John L. Crossan*

Dear Homeowner:

Concord Township requires all pool companies to explain to their customers the Township's requirement that all pool construction must be in accordance with the sealed plans submitted to the Township. **The size and location of the pool structure, equipment, and any additional patio or decking shall not deviate from the plan reviewed and approved by the Township.**

**\*\*A copy of the pool company letter on pool company letterhead, acknowledged by the customer, must be provided to the township along with this form.**

Deviation from the plan approved by the Township may result in zoning violations or require new or additional stormwater management controls to be installed on the property, often at a significant expense to the homeowner. Any deviations to the approved plan should be brought to the Township's attention prior to their construction.

All homeowners are encouraged to contact the Township at the time of permit submission or during construction with any questions or concerns.

By signing below, I have read and understand the above.

\_\_\_\_\_  
Homeowner/Print Name

\_\_\_\_\_  
Property Address

\_\_\_\_\_  
Homeowner/Signature

\_\_\_\_\_  
Date

Twp ltr to homeowner re pool



# Township of Concord

DELAWARE COUNTY

COUNCIL: Dominic A. Pileggi, John J. Gillespie, Elizabeth A. Salvucci,  
Thomas J. Mahoney, Margaret S. Franke, Joshua Twersky, John L. Crossan

## MEMORANDUM

**DATE:** January 2, 2018  
**TO:** All Pool Companies  
**FROM:** Amanda Serock, Township Manager  
**SUBJECT:** INGROUND POOL PERMIT  
APPLICATION REQUIREMENTS

Due to problems encountered in the past, all pool companies are now required to explain to their clients the Concord Township policy regarding any changes to Township-approved pool plans:

*All pool construction must be in accordance with the sealed plans submitted to the Township. The size and location of the pool structure, equipment, and any additional patio or decking shall not deviate from the plan reviewed and approved by the Township.*

*Deviation from the Township approved plan may result in zoning violations or require new or additional stormwater management controls to be installed on the property, often at a significant expense to the homeowner. Any deviations to the approved plan should be brought to the Township's attention prior to construction.*

**Beginning immediately, each pool permit application must include a letter from your company – on your letterhead - acknowledging that the above regulations have been explained to your client. As confirmation that they understand the policy, all letters are to also be signed by the client.**

Your cooperation in this matter is greatly appreciated.

**AS:sf**  
Pool company notification

## **HEATED POOLS REQUIREMENTS (CODE 2009)**

- **POOL CO. TO SIGNED OFF POOL REQUIREMENTS PAGE ON ENERGY CONSERVATION MEASURES AT TIME OF SUBMITTAL OF PERMIT**
- **POOL COVER SPECIFICATIONS**
- **HVAC PERMIT FOR GAS LINE-INSPECTION FOR AIR TEST**
- **NOTARIZED AFFIDAVIT PRIOR TO FINAL CO REQUEST (UNLESS SUBMITTED UPFRONT WITH APPLICATION)**
- **CO PROVISION BELOW**

### **FINAL CO PROVISION FOR ALL HEATED POOLS:**

**INSULATED POOL COVER MUST BE PLACED NIGHTLY OVER POOL AND SPA.  
WATER TEMPERATURE MUST BE MAINTAINED NO LOWER THEN 90 DEGREES**



CONCORD TOWNSHIP  
43 THORNTON ROAD  
GLEN MILLS, PA 19342

ACKNOWLEDGEMENT FOR HEATED POOLS

\_\_\_\_\_  
HOMEOWNER NAME (Print)

RESIDING AT:

\_\_\_\_\_  
PROPERTY ADDRESS (Print)

*do hereby agree to take full responsibility of compliance with the Township's requirements regarding the Heated Pool Requirements of the IRC-2009 SECTIONS N1103.8.1 THROUGH N1103.8.3. (Energy Conservation Measures)*

**Heated Pools shall be provided with Energy conservation measures in accordance with §N1103.8.1 through §N1103.8.3 of 2009-IRC.**

- 1. Pool heaters.** All pool heaters shall be equipped with a *readily accessible* on-off switch to allow shutting off the heater without adjusting the thermostat setting. Pool heaters fired by natural gas or LPG shall not have continuously burning pilot lights.
- 2. Time switches.** Time switches that can automatically turn off and on heaters and pumps according to a preset schedule shall be installed on swimming pool heaters and pumps

Exceptions: 1. Where public health standards require 24-hour pump operation  
2. Where pumps are required to operate solar- and waste-heat-recovery pool heating systems.

- 3. Pool covers.** Heated pools shall be equipped with a vapor retardant pool cover on or at the water surface. Pools heated to more than 90°F (32°C) shall have a pool cover with a minimum insulation value of R-12

\_\_\_\_\_  
DATE

\_\_\_\_\_  
HOMEOWNER SIGNATURE

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

This record was acknowledged before me on \_\_\_\_\_, 20\_\_\_\_

By \_\_\_\_\_

(NOTARY SEAL)

\_\_\_\_\_  
NOTARY PUBLIC

**CONCORD TOWNSHIP  
43 THORNTON ROAD  
GLEN MILLS, PA 19342**

**ACKNOWLEDGEMENT FOR FENCE BARRIER REQUIREMENTS  
REGARDING OUTDOOR SWIMMING POOLS**

I \_\_\_\_\_  
HOMEOWNER NAME (Print)

**RESIDING AT:**

\_\_\_\_\_  
PROPERTY ADDRESS (Print)

have chosen to take full responsibility of compliance with the Township's requirements, regarding the requirements of IRC-2009 Appendix G (SWIMMING POOLS, SPAS AND HOT TUBS), Section AG105, BARRIER REQUIREMENTS, (attached). In addition, I am also aware that no use of my pool may be made prior to obtaining the required Certificate of Occupancy, (C.O.) from the Township, and that any such use of this pool prior to receipt of a C.O. constitutes a violation of the Building Code, for which a judgment may be entered against me for not more than \$1,000 for each day of continuing violation, plus all costs and reasonable attorney fees incurred by Concord Township.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Homeowner Signature

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

This record was acknowledged before me on \_\_\_\_\_, 20\_\_\_\_\_

by \_\_\_\_\_.

(NOTARY SEAL)

\_\_\_\_\_  
NOTARY PUBLIC

# DOOR ALARM

MADE IN THE USA

MODEL DAPT

poolguard®

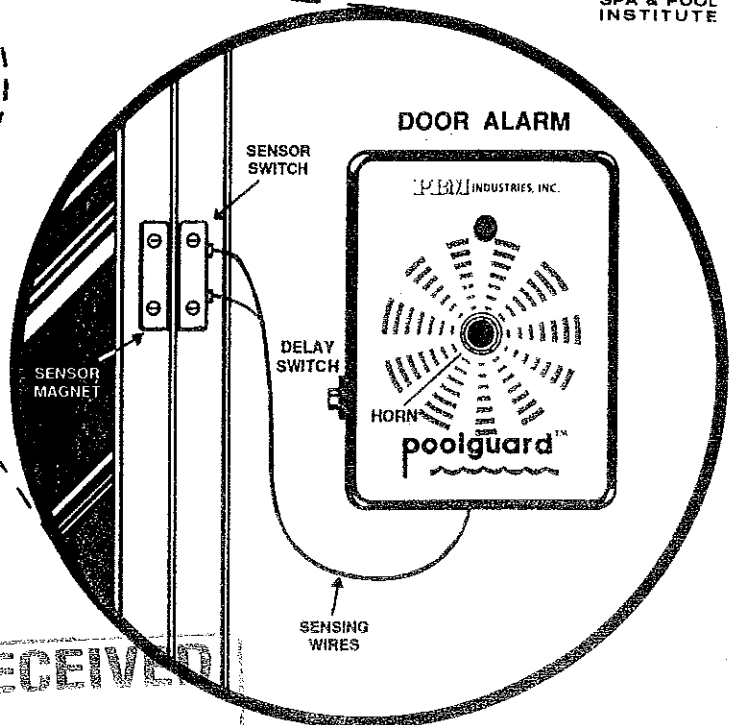
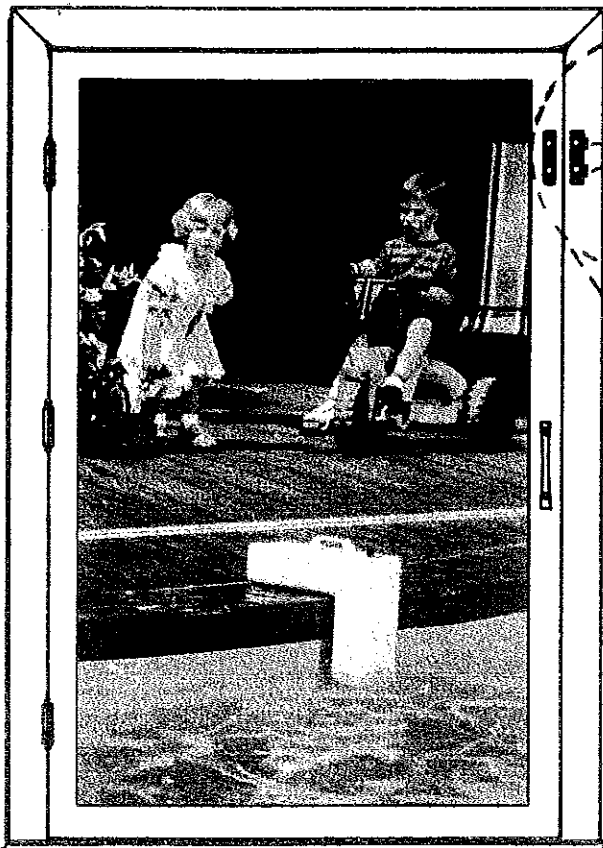
PBM INDUSTRIES, INC.



MEMBER



NATIONAL SPA & POOL INSTITUTE



## POOLGUARD DOOR ALARM

Poolguard Door Alarm mounts next to any door which gives easy access to your swimming pool. Any door which allows young children easy and quick access to a pool area is dangerous and should have a door alarm. The Poolguard Door Alarm comes with two magnetic switches, hookup wire, and operates on one 9-volt battery. The door alarm has a delay switch which allows an adult to pass through the door without the alarm sounding. When a child opens the door, the alarm will sound in seven seconds and continue to sound; the alarm will sound in seven seconds even if the child should go out the door and close the door. If for any reason the door is accidentally left open, the alarm will sound. For further information, contact your local Poolguard distributor or call PBM Industries toll free. When you think of pool safety/security, think of Poolguard.

CALL TOLL FREE: 1-800-242-7163

P.O. Box 658 • North Vernon, Indiana 47265 • [www.poolspa.com/poolguard](http://www.poolspa.com/poolguard)

RECEIVED

SEP 19 2002

TOWNSHIP OF CONCORD  
TOWNSHIP MANAGER

UL Approved

- Important Safety Feature
- Complies with Building Codes
- Simple to Operate
- Automatic Reset
- Battery Powered
- Easy to Install
- Affordable Price
- Pass Through Feature for Adults
- Low Battery Indicator

# INCREASES POOL SAFETY

## APPENDIX G

# SWIMMING POOLS, SPAS AND HOT TUBS

*(The provisions contained in this appendix are not mandatory unless specifically referenced in the adopting ordinance.)*

### SECTION AG101 GENERAL

**AG101.1 General.** The provisions of this appendix shall control the design and construction of swimming pools, spas and hot tubs installed in or on the *lot* of a one- or two-family dwelling.

**AG101.2 Pools in flood hazard areas.** Pools that are located in flood hazard areas established by Table R301.2(1), including above-ground pools, on-ground pools and in-ground pools that involve placement of fill, shall comply with Sections AG101.2.1 or AG101.2.2.

**Exception:** Pools located in riverine flood hazard areas which are outside of designated floodways.

**AG101.2.1 Pools located in designated floodways.** Where pools are located in designated floodways, documentation shall be submitted to the *building official*, which demonstrates that the construction of the pool will not increase the design flood elevation at any point within the *jurisdiction*.

**AG101.2.2 Pools located where floodways have not been designated.** Where pools are located where design flood elevations are specified but floodways have not been designated, the applicant shall provide a floodway analysis that demonstrates that the proposed pool will not increase the design flood elevation more than 1 foot (305 mm) at any point within the *jurisdiction*.

### SECTION AG102 DEFINITIONS

**AG102.1 General.** For the purposes of these requirements, the terms used shall be defined as follows and as set forth in Chapter 2.

**ABOVE-GROUND/ON-GROUND POOL.** See "Swimming pool."

**BARRIER.** A fence, wall, building wall or combination thereof which completely surrounds the swimming pool and obstructs access to the swimming pool.

**HOT TUB.** See "Swimming pool."

**IN-GROUND POOL.** See "Swimming pool."

**RESIDENTIAL.** That which is situated on the premises of a detached one- or two-family dwelling or a one-family *townhouse* not more than three stories in height.

**SPA, NONPORTABLE.** See "Swimming pool."

**SPA, PORTABLE.** A nonpermanent structure intended for recreational bathing, in which all controls, water-heating and water-circulating *equipment* are an integral part of the product.

**SWIMMING POOL.** Any structure intended for swimming or recreational bathing that contains water over 24 inches (610

mm) deep. This includes in-ground, above-ground and on-ground swimming pools, hot tubs and spas.

**SWIMMING POOL, INDOOR.** A swimming pool which is totally contained within a structure and surrounded on all four sides by the walls of the enclosing structure.

**SWIMMING POOL, OUTDOOR.** Any swimming pool which is not an indoor pool.

### SECTION AG103 SWIMMING POOLS

**AG103.1 In-ground pools.** In-ground pools shall be designed and constructed in conformance with ANSI/NSPI-5 as listed in Section AG108.

**AG103.2 Above-ground and on-ground pools.** Above-ground and on-ground pools shall be designed and constructed in conformance with ANSI/NSPI-4 as listed in Section AG108.

**AG103.3 Pools in flood hazard areas.** In flood hazard areas established by Table R301.2(1), pools in coastal high hazard areas shall be designed and constructed in conformance with ASCE 24.

### SECTION AG104 SPAS AND HOT TUBS

**AG104.1 Permanently installed spas and hot tubs.** Permanently installed spas and hot tubs shall be designed and constructed in conformance with ANSI/NSPI-3 as listed in Section AG108.

**AG104.2 Portable spas and hot tubs.** Portable spas and hot tubs shall be designed and constructed in conformance with ANSI/NSPI-6 as listed in Section AG108.

### SECTION AG105 BARRIER REQUIREMENTS

**AG105.1 Application.** The provisions of this chapter shall control the design of barriers for residential swimming pools, spas and hot tubs. These design controls are intended to provide protection against potential drownings and near-drownings by restricting access to swimming pools, spas and hot tubs.

**AG105.2 Outdoor swimming pool.** An outdoor swimming pool, including an in-ground, above-ground or on-ground pool, hot tub or spa shall be surrounded by a barrier which shall comply with the following:

1. The top of the barrier shall be at least 48 inches (1219 mm) above *grade* measured on the side of the barrier which faces away from the swimming pool. The maximum vertical clearance between grade and the bottom of

the barrier shall be 2 inches (51 mm) measured on the side of the barrier which faces away from the swimming pool. Where the top of the pool structure is above grade, such as an above-ground pool, the barrier may be at ground level, such as the pool structure, or mounted on top of the pool structure. Where the barrier is mounted on top of the pool structure, the maximum vertical clearance between the top of the pool structure and the bottom of the barrier shall be 4 inches (102 mm).

2. Openings in the barrier shall not allow passage of a 4-inch-diameter (102 mm) sphere.
3. Solid barriers which do not have openings, such as a masonry or stone wall, shall not contain indentations or protrusions except for normal construction tolerances and tooled masonry joints.
4. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is less than 45 inches (1143 mm), the horizontal members shall be located on the swimming pool side of the fence. Spacing between vertical members shall not exceed  $1\frac{3}{4}$  inches (44 mm) in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed  $1\frac{3}{4}$  inches (44 mm) in width.
5. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is 45 inches (1143 mm) or more, spacing between vertical members shall not exceed 4 inches (102 mm). Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed  $1\frac{3}{4}$  inches (44 mm) in width.
6. Maximum mesh size for chain link fences shall be a  $2\frac{1}{4}$ -inch (57 mm) square unless the fence has slats fastened at the top or the bottom which reduce the openings to not more than  $1\frac{3}{4}$  inches (44 mm).
7. Where the barrier is composed of diagonal members, such as a lattice fence, the maximum opening formed by the diagonal members shall not be more than  $1\frac{3}{4}$  inches (44 mm).
8. Access gates shall comply with the requirements of Section AG105.2, Items 1 through 7, and shall be equipped to accommodate a locking device. Pedestrian access gates shall open outward away from the pool and shall be self-closing and have a self-latching device. Gates other than pedestrian access gates shall have a self-latching device. Where the release mechanism of the self-latching device is located less than 54 inches (1372 mm) from the bottom of the gate, the release mechanism and openings shall comply with the following:
  - 8.1. The release mechanism shall be located on the pool side of the gate at least 3 inches (76 mm) below the top of the gate; and
  - 8.2. The gate and barrier shall have no opening larger than  $\frac{1}{2}$  inch (12.7 mm) within 18 inches (457 mm) of the release mechanism.

9. Where a wall of a *dwelling* serves as part of the barrier, one of the following conditions shall be met:
  - 9.1. The pool shall be equipped with a powered safety cover in compliance with ASTM F 1346; or
  - 9.2. Doors with direct access to the pool through that wall shall be equipped with an alarm which produces an audible warning when the door and/or its screen, if present, are opened. The alarm shall be listed and *labeled* in accordance with UL 2017. The deactivation switch(es) shall be located at least 54 inches (1372 mm) above the threshold of the door; or
  - 9.3. Other means of protection, such as self-closing doors with self-latching devices, which are *approved* by the governing body, shall be acceptable as long as the degree of protection afforded is not less than the protection afforded by Item 9.1 or 9.2 described above.

10. Where an above-ground pool structure is used as a barrier or where the barrier is mounted on top of the pool structure, and the means of access is a ladder or steps:
  - 10.1. The ladder or steps shall be capable of being secured, locked or removed to prevent access; or
  - 10.2. The ladder or steps shall be surrounded by a barrier which meets the requirements of Section AG105.2, Items 1 through 9. When the ladder or steps are secured, locked or removed, any opening created shall not allow the passage of a 4-inch-diameter (102 mm) sphere.

**AG105.3 Indoor swimming pool.** Walls surrounding an indoor swimming pool shall comply with Section AG105.2, Item 9.

**AG105.4 Prohibited locations.** Barriers shall be located to prohibit permanent structures, *equipment* or similar objects from being used to climb them.

**AG105.5 Barrier exceptions.** Spas or hot tubs with a safety cover which complies with ASTM F 1346, as listed in Section AG107, shall be exempt from the provisions of this appendix.

## SECTION AG106 ENTRAPMENT PROTECTION FOR SWIMMING POOL AND SPA SUCTION OUTLETS

**AG106.1 General.** Suction outlets shall be designed and installed in accordance with ANSI/APSP-7.

## SWIMMING POOL GUIDELINES

Pennsylvania Department of Environmental Protection  
Southeast Regional Office  
2 East Main Street  
Norristown, PA 19401

The discharge of any sewage or industrial waste, including swimming pool water to a water of the Commonwealth without a permit is a violation of the Clean Streams Law, the Act of June 22, 1937 P.L. 1987, as amended.

It has been the Department's policy not to require permits for discharges from single residence pools provided the guidelines outlined below are followed. Local municipalities should be contacted concerning local ordinances.

These guidelines shall not be construed so as to waive or impair any rights of the Department of Environmental Protection to prosecute the property (pool) owner and/or pool company for any stream damage that occurs as a result of the discharge. Penalties would be assessed under the provisions of the Clean Streams Law.

### Pool Guidelines:

#### A. Disposal of Water to Sanitary Sewer

1. If the municipal authority grants permission, discharging of pool backwash water, neutralized pool cleaning wastewater and standing water to the sanitary sewer system is the best environmental alternative. Care should be taken in making sure the discharge is to a sanitary sewer and not a storm sewer which would discharge to a stream. If sanitary sewers are not in the immediate area, the water should be hauled off-site for disposal at an approved treatment facility.

#### B. Discharge of Water

1. The following guidelines must be followed if water is not pumped or hauled to a sanitary sewer. Water should be pumped over a grassy area to allow absorption, filtration and aeration of water. The discharge should be at a rate which prevents erosion and optimizes infiltration. In no event shall pool waters be directly discharged to waters of the Commonwealth.
  - a. Standing water or accumulated rain and/or pool water from the previous season should be pumped from the top so as not to disturb settled solids. Solids on the pool bottom should not be discharged. Following pump down of water, solids should be cleaned out manually. The discharge should not raise instream temperatures by more than 2 degrees F in a one hour period or a total of 5 degrees F, pH should be between 6 and 9 standard units and total chlorine residual should be 0.0 mg/l.
  - b. Cleaning wastewaters containing muriatic acid or chlorine that is used in cleaning pool surfaces needs to be treated prior to discharge. Muriatic acid wastewater should be neutralized to a pH between 6 and 9 standard units. Chlorine rinses should stand for a period of days to allow chlorine degradation prior to discharge. Total chlorine residual of the wastewater discharge should be less than 0.5 mg/l. Temperature should be monitored as above (standing water), Chlorine rinse water pH should be between 6 and 9 standard units.
  - c. Filter backwash water during normal pool operation must be at a sufficiently low volume that all water infiltrates to the ground. Backwash water discharged to a stream or storm sewer is not permitted.

Questions concerning pool guidelines should be directed to Pennsylvania Department of Environmental Protection, Southeast Regional Office, Bureau of Water Management, Telephone: 484-250-5970.