In-Ground Pool & Fence Permit Application

OWNER: _____ Permit # _____

ADDRESS: _____ TAX ID# _____

Contact Person: _____ Phone _____

Pool Information:

SIZE: L & W _____ Cost _____

Approximate Start Date: _____

CONTRACTOR: _____ DATE: _____

Address: _____

Contact #: _____

Fence Information:

Type of Fence _____ Fence Height _____

Attach Site Plan Showing the entire property and distances from property line to edge of pool surround, buildings, drainage swales and property lines.

CONTACT INFORMATION: _____

Phone#: _____

APPLICATION DATE: _____ SIGNATURE of APPLICANT _____

*** It is the responsibility of property owners to check property / deed restrictions before signing the permit application.**
Applicant is responsible for all fees associated with this application regardless if it accepted or resused by the applicant.

I hereby attest to the information on this application to be accurate and true to the best of my ability. I agree to conform to all applicable laws of Upper Nazareth Township and certify that the Code Official or his authorized representative shall have the authority to enter areas covered by such permit at any reasonable hour to enforce the provisions of the code(s) applicable to such permit.

I, we the owners of record, shall maintain all safety standards associated with this pool to include any and all fences, barriers, locking covers, audible alarms, locking doors or gates as required by the recognized codes, standards and Occupancy certification: and hereby hold Upper Nazareth Township and their agents harmless for any and all damages or responsibilities that may occur as a result of or associated with this pool. I (we) acknowledge that we have read and understood fully the provisions of Appendix "G" of the current adopted IRC

CodeMaster
INSPECTION SERVICES

"KNOW THE CODE"

1209 Hausman Road, Suite B | Allentown, PA 18104-9300 | tel 484-223-0763 | fax 484-223-0768

INGROUND SWIMMING POOLS

Based on the 2009 International Residential Code, section N1103.8, chapter 42, and appendix "G"

THIS LIST IS ONLY A SUMMARY OF THE CODE

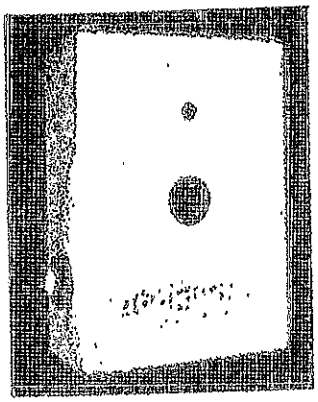
All work must comply with the 2009 International Residential Code

1. A minimum 48-inch high barrier around the pool is required; barrier must comply with one or more of the following:
   a. Barrier may not be located more than 2 inches above grade
   b. If the distance between horizontal rails is *less* than 45 inches, the spacing between vertical rails shall not exceed 1¾ inches
   c. If the distance between horizontal rails is *more* than 45 inches, the spacing between vertical rails shall not exceed 4 inches
   d. Gate shall swing outward (away) from the pool
   e. Gate shall be self-closing and self-latching
   f. Gate latch shall be located at least 54 inches high measured from the bottom of the gate to the latch —*or*— Gate latch shall be located on the pool side (inside) of the gate a minimum of 3 inches below the top of the gate, and there shall be no opening larger than ½ inch within 18 inches of the latch
   g. A fence or barrier may not be constructed as a ladder effect so that children outside the pool will not be able to climb over the fence or barrier to gain access to the pool
   h. If the pool barrier is part of a house wall, garage wall, shed wall, and/or similar structure and there are access door(s) in the barrier wall(s), a door alarm must be mounted on the side of the door or screen door opposite the pool; the deactivation button may not be less than 54 inches above the floor; the alarm must be listed and labeled in accordance with UL 2017
2. Pool equipment installed outside of the pool fence must be placed 48 inches from the pool fence to prevent the equipment from being used for climbing
3. Barriers shall be located to prohibit permanent structures, equipment, or similar objects from being used for climbing
4. All suction outlets shall be designed and installed in accordance with ANSI/APSP-7
5. Lighting fixtures other than the pool light shall not be placed over the pool or within 5 feet horizontally of the pool
6. All equipment is required to be listed and labeled
7. A convenience receptacle is required not less than 6 feet and no more than 20 feet from the wall of the pool; receptacle shall be GFCI (ground fault circuit interrupter) protected; receptacle shall be covered with an in-use cover
8. All conduits shall be buried a minimum of 18 inches below finished grade in a 20-inch deep trench

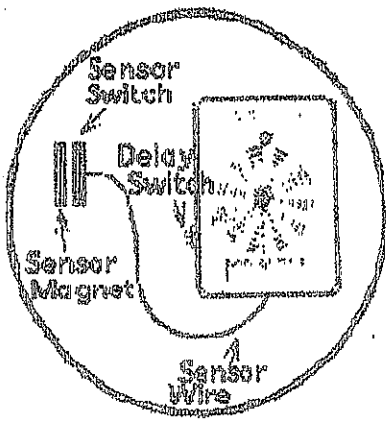
(continued)

9. All receptacles, panels, or junction boxes shall be mounted on a structural wall, post (usually 4-inch by 4-inch pressure treated), or equal
10. All non-twist lock receptacles shall be listed weather-resistant type and tamper-resistant type
11. Pool pump shall be controlled with a time clock
12. Pool motor must be bonded to pool with an 8 AWG solid copper wire
13. Pool pump must be listed and labeled for swimming pool use
14. If ladder is metal it must be bonded to the pool using an 8 AWG solid copper wire and listed copper or brass connectors
15. All metal within 5 feet of inside wall of the pool shall be bonded to the pool with 8 AWG solid copper wire
16. An 8 AWG solid bare copper wire shall be installed around the perimeter of the pool no less than 18 inches and no more than 24 inches from the wall of the pool; wire shall be buried 4 to 6 inches deep; wire shall be connected to the pool (with listed connectors) at 4 locations equally spaced; if pool walls are nonconductive material the bonding ring would run to the pool pump
17. Bonding connectors and machine screws or nut and bolts shall be stainless steel, brass, copper or copper alloy; connecters shall be listed; sheet metal screws are NOT permitted for bonding
18. Pool heaters shall be equipped with a readily accessible on/off switch; gas heaters shall not have continuously burning pilot lights
19. Existing overhead wires shall be a minimum of 10 feet away from the pool wall, and any underground wires shall be 5 feet away from the pool wall; all measurements are made at level line

POOLGUARD DOOR ALARM Model DAPT



- UL Approved Door Alarm
- 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
- Use As Window Alarm



POOLGUARD DOOR & WINDOW ALARM

MODEL DAPT

The POOLGUARD DOOR & WINDOW ALARM meets the requirements of all building codes in the United States. The POOLGUARD DOOR ALARM was designed specifically to meet the needs of the new barrier code requirements. The DOOR ALARM features are listed below:

The DOOR ALARM is UL listed, UL #2017.

The alarm sounds if a child goes through the door even if he closes the door behind him.

The alarm is always on and always automatically resets under all conditions.

There is no on/off switch.

The DOOR ALARM is designed to fit any type door or window and comes with all the necessary hardware for easy installation.

The DOOR ALARM can be adapted to alarm the door OR the screen door, if present. Add the additional sensor below, if you need to arm both the screen door and the door.

The color of the alarm is white to match any household decor; indoor use only.

The DOOR ALARM will sound in 7 seconds if a child opens the door, and will continue to sound until someone comes to the door.

The alarm has a delay switch for adults to exit and enter without the alarm sounding.

The horn is 98dB at 10 feet.

The horn sound is different than others in house alarms.

The DOOR ALARM has a low battery indicator.

The DOOR ALARM uses one 9-volt battery; battery life is approximately one year.

The DOOR ALARM has a one year warranty.

Uniform Construction Code (UCC)

INSPECTION PROCEDURES

All applicable inspection procedures specified below must be adhered to:

1. **FOOTING INSPECTION:** is to be performed after footing is dug with chairs and rods in place and before concrete is poured. The permit applicant is required to call requesting an inspection 3 business days in advance of desired inspection date.

2. **FOUNDATION INSPECTION:** is to be performed before framing work begins or backfill is installed. Grease traps (if applicable), cleanouts, foundation and roof drains must be in place; foundation coating must be applied, anchor bolts and top plate shall be installed. Post-pour footing inspection work shall be conducted at this time and shall include verification of the depth of the footing, continuity of the footing, width of the footing, and determining if the top of the footing is level. This inspection will also include the underground plumbing, underground electrical and underground mechanical inspections. All underground plumbing, mechanical and electrical trenching must remain open and all piping, sleeves and/or conduit required for underground utilities shall be in place and provided with rodent-proofing. Note: the foundation may not be approved until the plumbing, electrical and mechanical underground work has been approved by the Department. The permit holder is required to call 3 business days in advance of desired inspection date.

3. **UNDER-SLAB INSPECTION:** is to be performed prior to the pouring of concrete and after the base course or sub-base is properly prepared, the vapor barrier (if required) is in place and reinforcing materials such as rebar or wire mesh is properly positioned. The permit holder is required to call 5 business days in advance of the desired inspection date.

4. **ELECTRICAL ROUGH-IN INSPECTION:** is to be performed after the roof, framing, fire-blocking and bracing are in place and all wiring and other components to be concealed are complete. This inspection is required before the installation of wall or ceiling membranes. The permit holder is required to call 5 business days in advance of the desired inspection date.

5. **PLUMBING ROUGH-IN INSPECTION:** is to be performed after the roof, framing, fire-blocking, fire-stopping, draft-stopping and bracing are in place and all sanitary, storm and water distribution piping is roughed-in. This inspection is required before the installation of wall or ceiling membranes. The permit holder is required to call 5 business days in advance of the desired inspection date.

6. **MECHANICAL ROUGH-IN INSPECTION:** is to be performed after the roof, framing, fire-blocking and bracing are in place and all ducting and other components to be concealed are complete. This inspection is required before the installation of wall or ceiling membranes. The permit holder is required to call 5 business days in advance of the desired inspection date.

7. **FRAMING INSPECTION:** is to be performed before insulation is installed and after all rough-in work is complete on plumbing, electrical and mechanical systems. This inspection must be performed prior to the installation of any insulation material. Note: the framing may not be approved until the plumbing, electrical and mechanical rough-in work has been approved by the Department. The permit holder is required to call requesting an inspection 10 business days in advance of desired inspection date. It may also be possible to perform a framing inspection at the time of the last rough-in inspection if the final rough-in work is accepted by the Department.

8. **INSULATION INSPECTION:** is to be performed after the framing work is approved by the Department and all insulation materials have been installed. This inspection is required before the installation of wall or ceiling membranes. The permit holder is required to call 5 business days in advance of the desired inspection date.

9. **FIRE PROTECTION SYSTEMS INSPECTION:** is to be performed after fire alarm systems and or fire suppression systems are installed and functioning. The Department has the option to accept installation and test certificates from the installing contractor(s) in lieu of witnessing the testing of fire protection systems. The permit holder is required to call requesting an inspection 10 business days in advance of desired inspection date.

10. **FINAL ELECTRICAL INSPECTION:** is to be performed after the electrical work in the building is complete. The permit holder is required to call requesting an inspection 10 business days in advance of desired inspection date.

11. **FINAL MECHANICAL INSPECTION:** is to be performed after the mechanical work in the building is complete. The permit holder is required to call requesting an inspection 10 business days in advance of desired inspection date.

12. **FINAL PLUMBING INSPECTION:** is to be performed after the building is complete, all plumbing fixtures are in place and properly connected and the structure is ready for occupancy. This inspection should occur at the time of the Final Building Inspection.

13. **FINAL BUILDING INSPECTION:** is to be performed after all items pertaining to the building permit issued have been completed. These items include, but are not limited to:

    A. General Building:
    - Interior and exterior finish
    - Egress
    - Final grading
    - Site plan compliance
    - Roofing materials/flashing
    - Emergency lighting system
    - Roofing materials/flashing

    B. Electrical work
    C. Plumbing work
    D. Accessibility (including site)
    E. Fire protection systems (including required fire-rated construction components)
    F. Mechanical work
    G. Energy conservation

    The permit holder is required to call requesting an inspection 10 business days in advance of desired inspection date. The Final Building Inspection may include the Electrical, Plumbing and Mechanical Inspections.

    Please note that accessibility provisions and verification of compliance with the International Energy Conservation Code shall be inspected as part of other identified inspections.

14. Accessibility inspections for buildings in municipalities that have opted to self-enforce the Uniform Construction Code but that do not have an inspector certified by the Commonwealth in Accessibility must be conducted at the time the building is ready to have a framing inspection performed and continue until all provisions governing accessibility are met. The municipality or third-party agency may not issue the certificate of occupancy until the Department approves the building's accessible elements and features. The permit applicant is required to call requesting an inspection 10 business days in advance of desired inspection date.

15. Projects that have received a permit allowing accelerated (phased) construction must pass all inspections specified on the Inspections Log (UCC-7) and must conform to the requirement for requesting each inspection. No work that exceeds the limited construction approved under this permit may be initiated until a new building permit has been submitted and approved by the Department.

16. The timing and number of inspections required for renovation work to buildings that were legally in existence prior to the adoption of the Uniform Construction Code will depend upon the nature and the scope of the renovation work being performed. **The permit applicant is required to obtain all inspections listed on the "Inspections Log" (UCC-7) provided with each renovation building permit and to meet the advance notice timeframes specified for each required inspection.**

17. **Signs** (other than those exempted in Section H101.2 of the International Building Code) are required to be inspected regarding their location, design and construction and must meet all applicable UCC requirements. **The permit applicant is required to call requesting an inspection when the sign has been erected. A final inspection of the sign will be made as soon as possible. If the sign erected is a ground sign, the permit holder must provide a written assurance that all structural work (including that which is invisible) conforms to all UCC requirements.**

18. **Demolition work:** Contractors responsible for demolition work where an entire structure is razed will be required to submit signed documentation that certifies that the vacant lot is filled to existing grade and that all service connections have been discontinued and lines have been capped. Demolition work being performed on existing buildings as part of renovation work or the erection of an addition may be subject to inspection by the Department. Contractors must ensure that pedestrian protection measures have been installed prior to commencing demolition. Contractors may not negatively impact existing means of egress until alternative egress routes have been provided. **The permit applicant is required to call requesting an inspection when demolition work has concluded and the lot has been restored to existing grade. An inspection will be made as soon as possible.**

_____

_____

NO WORK MAY BE CONCEALED FROM VIEW, UNTIL THE DEPARTMENT HAS APPROVED IT.

I fully understand that it is my responsibility or the responsibility of the person that I have listed below as my designee to call for inspections and that, if inspections are not made according to this procedure, I or my designee may be in violation of the UCC and may be subject to prosecution. I/we also understand that no one may occupy the structure (or portion thereof) until a UCC Certification of Occupancy is obtained.

Name of Applicant: _____ Date: _____

Signature: _____

Name of Designee: _____ Date: _____

Signature: _____

Building Name: _____

Building Street Address: _____

City: _____ Zip Code: _____

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 $1^3/_4$ inches (44 mm) in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed $1^3/_4$ 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 $1^3/_4$ inches (44 mm) in width.
6. Maximum mesh size for chain link fences shall be a $2^1/_4$-inch (57 mm) square unless the fence has slats fastened at the top or the bottom which reduce the openings to not more than $1^3/_4$ 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 $1^3/_4$ 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 $^1/_2$ 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.

SECTION AG107
ABBREVIATIONS

AG107.1 General.

ANSI—American National Standards Institute
11 West 42nd Street
New York, NY 10036

APSP—Association of Pool and Spa Professionals
NSPI—National Spa and Pool Institute
2111 Eisenhower Avenue
Alexandria, VA 22314

ASCE—American Society of Civil Engineers
1801 Alexander Bell Drive
Reston, VA 20191-4400

ASTM—ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

UL—Underwriters Laboratories Inc.
333 Pfingsten Road
Northbrook, IL 60062-2096

SECTION AG108
STANDARDS

AG108.1 General.

ANSI/NSPI

ANSI/NSPI-3-99 Standard for
Permanently Installed Residential Spas AG104.1

ANSI/NSPI-4-99 Standard for Above-ground/
On-ground Residential Swimming Pools AG103.2

ANSI/NSPI-5-2003 Standard for
Residential In-ground Swimming Pools AG103.1

ANSI/NSPI-6-99 Standard for
Residential Portable Spas AG104.2

ANSI/APSP

ANSI/APSP-7-06 Standard for Suction Entrapment
avoidance in Swimming Pools, Wading Pools, Spas,
Hot Tubs and Catch Basins AG106.1

ASCE

ASCE/SEI-24-05 Flood Resistant
Design and Construction AG103.3

ASTM

ASTM F 1346-91 (2003) Performance
Specification for Safety Covers and Labeling
Requirements for All Covers for Swimming Pools,
Spas and Hot Tubs AG105.2, AG105.5

UL

UL 2017-2000 Standard for General-purpose
Signaling Devices and Systems—with Revisions
through June 2004 ..... AG105.2