

POOL PERMIT APPLICATION

Town of Newstead Building Department
PO Box 227 Akron, NY 14001

Permit No. _____
Renewal _____

LOCATION _____ (NO.) _____ (STREET) ZONING DISTRICT _____

LOT SIZE: _____ SBL # _____

NAME: MAILING ADDRESS: ZIP CODE: PHONE:

OWNER: _____

APPLICANT: _____

CONTRACTOR: _____
Contractor Insurance expiration: _____ or Homeowner's Affidavit: _____

POOL TYPE: _____ steel vinyl
_____ fiberglass
_____ poured concrete
_____ gunite
_____ above ground
HOT TUB: _____

TOTAL COST LABOR & MATERIALS: \$ _____ Pool width: _____ ft. Pool depth: _____ ft.

SETBACK: distance from ROW: _____ ft. distance from side line: _____ ft.
distance from rear: _____ ft. distance from side line: _____ ft.

I hereby certify that I have read and understand the General Construction Rules on page 3, that the proposed work is authorized by the owner of record, and that I have been authorized by the owner to make this application as his agent, and we agree to conform to all applicable laws of this jurisdiction:

Signature of Applicant: _____ Date: _____

(office use only):

Permit Issue Date: _____ Permit Renewal is at the discretion of the Code Enforcement Officer.

3-MONTH Expiration Date: _____ Renewal Date: _____ Expiration Date: _____

Permit Fee Paid: \$ _____ Renewal Fee Paid: \$ _____

Cash: _____ Check # _____ Debit: _____ Cash _____ Check # _____ Debit: _____

APPROVED BY CODE ENFORCEMENT OFFICER: _____ Date: _____

POOLS CANNOT BE USED BEFORE ELECTRICAL HAS PASSED INSPECTION.

Permit applicant is responsible to request all inspections be scheduled, including the Final Certificate of Occupancy/Completion. Please call the Building Dept. at 542-4574 to schedule your inspections 24 HOURS in advance.

1. You are alerted that the issuance of this permit shall not be construed as a representation that the property is suitable for construction or that approval from the D.E.C., E.P.A. or the Army Corps. Of Engineers will be forthcoming for the property.
2. Driveway- Stone base in driveways to be in place prior to construction start. Contractor or owner is responsible for keeping streets free from mud, stones and construction debris.
3. Construction Debris- All debris related to alterations, additions or new construction shall be deposited in a container and removed periodically as conditions warrant. Debris may not be burned or buried.
4. A reasonable means of egress must be provided to all floor levels of each structure.
5. This permit may be subject to requirements for making facilities handicapped accessible.
6. The Town of Newstead has adopted New York State Uniform Fire Prevention & Building Code.
7. No construction is allowed over or under utility lines, Pipeline Company transmission lines or septic systems.
8. First floor grade elevation must be a minimum of 12"- 18" above the crown of the road.
9. Contractors to furnish acceptable Certificate of Insurance for Worker's Compensation, Disability and General Liability coverage to the Town of Newstead. Property owners performing construction themselves must sign an Affidavit of Exemption from Worker's Compensation Insurance.
10. Septic systems and water wells must be inspected and approved by the Erie County Health Department (858-7677).
11. Electrical Inspection is required by either:
Commonwealth Electric at 716-316-7091 or Empire Inspections at 585-798-1849.
12. Back-flow preventers are required on all public water services as per N.Y. State Sanitary Code.
13. Drainage Site Plan may be required for all buildings over 500 sq. ft.
14. **For projects involving over an acre of soil disturbance:** The requirements of the New York State Dept. of Environmental Conservation (DEC) SPDES General Permit for Stormwater Discharges from Construction Activity (Permit No. GP-0-08-001) must be met prior to issuance of building permit.
15. Plans and specifications must be prepared by a licensed professional where required and be acceptable under the State Energy Conservation Construction Code provided such engineer or architect has certified that the plans and specs have been prepared by him and are in compliance with New York State Building Code. Construction plans and documents are to be accessible to CEO and kept on project site.
16. Prior to any construction or excavation, Dig Safe of New York must be contacted at 811 or at 800-962-7962.
17. **Before temporary or final Certificate of Occupancy is issued, 4" house number must be prominently displayed on mailbox AND on building along with proper placement of truss identification signs.**
18. Structure not be occupied or used prior to Certificate of Occupancy or Certificate of Completion.

Construction Inspections Required

- | | |
|--|---|
| Site inspection prior to permit issuance | Water line inspection |
| May be necessary to purchase culvert pipe. | Framing BEFORE insulation (includes plumbing, HVAC, electrical) |
| Footing BEFORE pouring concrete | Fireplace before insulation |
| Basement walls BEFORE pouring concrete | Insulation BEFORE enclosing |
| Foundation BEFORE backfill | FINAL inspection for Certificate of Occupancy (with photo) |
| | FOUNDATION SPOT SURVEY (stamped by a surveyor) |
| | BEFORE framing commence |



TOWN OF NEWSTEAD

SWIMMING POOLS, SPAS & HOT TUBS

The following blocked excerpts were copied directly from the NYS Building Code (Uniform Code) and National Electric Code. This is only an abridged listing of the most frequently used provisions of these codes. This information is intended to provide a pre-briefing on swimming pool code requirements.

Any pool designed to hold more than 24 inches of water requires a permit and must meet all pool requirements.

The Building Inspector will provide a briefing specific to each job.

The codes applicable at the time of installation apply.

All outdoor receptacles MUST BE G.F.C.I. protected.

680-21. Cord and Plug-Connected Equipment. Fixed or stationary equipment rated 20 amperes or less, other than an underwater lighting fixture for a permanently installed pool, shall be permitted to be connected with a flexible cord to facilitate the removal or disconnection for maintenance or repair. For other than storable pools, the flexible cord shall not exceed three feet (914 mm) in length and shall have a copper equipment grounding conductor not smaller than No. 12 with a grounding-type attachment plug. ---National Electric Code-----

NOTE: Most new pool kits have a furnished cord that does not meet code. These are usually labeled with a red tag (see below):

WARNING: This cord is supplied for convenience for initial use only. Use only with properly grounded and G.F.C.I. protected outlet.

To comply with most applicable codes, a special cord with a locking type plug or permanent installation is required.

All electrical wiring must be performed by qualified personnel and must comply with applicable electrical codes.

Contractors must furnish acceptable Certificate of Insurance for Worker's Compensation, Disability and General Liability coverage to the Town of Newstead. Property owners performing construction themselves must sign an Affidavit of Exemption from Worker's Compensation Insurance.

You must contact Commonwealth or Empire to inspect the electrical work completed for your pool installation:

Commonwealth Electrical Inspection Service, Inc.
(716) 316-7091

Empire Inspections
(585)-798-1849

Title 19 (NYCRR)

Chapter XXXIII – State Fire Prevention & Building Code Council

Subchapter A – Uniform Fire Prevention & Building Code

Part 1220.5 Swimming Pool Alarms (amended text 12/14/2006)

- (a) **Purpose.** Paragraph (b) of subdivision (14) of section 378 of the Executive Law, as added by Chapter 450 of the Laws of 2006, requires that the New York State Uniform Fire Prevention and Building Code (the Uniform Code) provide that any “residential or commercial swimming pool constructed or substantially modified after the effective date of this paragraph (December 14, 2006) shall be equipped with an acceptable pool alarm capable of detecting a child entering the water and of giving an audible alarm.: The Introducer’s Memorandum in Support of Chapter 450 states, in pertinent part, that “drowning is the second leading cause of unintentional injury-related deaths in children between the ages of one and fourteen nationwide, and the third leading cause of injury-related deaths of children in New York... Technological advances have produced several different types of pool alarms designed to sound a warning if a child falls into the water. When used in conjunction with access barriers, these alarms provide greater protection against accidental pool drownings.” This section and section 1221.3 of Part 1221 of this Title are intended to implement the provisions of Executive Law section 378 (14)(b).
- (b) **Definitions.** The terms “approved”, “commercial swimming pool”, “residential swimming pool”, “swimming pool”, “substantial damage”, and “substantial Modification” shall, for the purposes of this section, have the meanings ascribed in subdivision (b) of section 1221.3 of Part 1221 of this Title.
- (c) **Pool alarms.** Each residential swimming pool installed, constructed or substantially modified after December 14, 2006 and each commercial swimming pool installed, constructed or substantially modified after December 14, 2006 shall be equipped with an approved pool alarm which:
- (1) is capable of detecting a child enter the water and giving an audible alarm when it detects a child entering the water;
 - (2) is audible poolside and at another location on the premises where the swimming pool is located;
 - (3) is installed, used and maintained in accordance with the manufacturer’s instructions;
 - (4) is classified by Underwriter’s Laboratory, Inc. (or other approved independent testing laboratory) to reference standard ASTM F2208, entitled “Standard Specification for Pool Alarms, “ as adopted in 2002 and editorially corrected in June 2005, published by ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428; and
 - (5) is not an alarm device which is located on person(s) or which is dependent on device(s) located on person(s) for its proper operation.
- (d) **Multiple pool alarms.** A pool alarm installed pursuant to subdivision (c) of this section must be capable of detecting entry into the water at any point on the surface of the swimming pool. If necessary to provide detection capability at every point on the surface of the swimming pool, more than one pool alarm shall be installed.

APPENDIX G

SWIMMING POOLS, SPAS AND HOT TUBS

SECTION G101 GENERAL

G101.1 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.

SECTION G102 DEFINITIONS

G102.1 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 PERMANENT. A fence, wall, building wall or combination thereof which completely surrounds the swimming pool and obstructs access to the swimming pool.

BARRIER TEMPORARY. An approved temporary fence, permanent fence, the wall of a permanent structure, any other structure, or any combination thereof that prevents access to the swimming pool by any person not engaged in the installation or construction of the swimming pool during its installation or construction.

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.

SUBSTANTIAL DAMAGE. For the purpose of determining compliance with the pool alarm provisions of this appendix, damage of any origin sustained by a swimming pool whereby the cost of restoring the swimming pool to its before-damaged condition would equal or exceed 50 percent of the market value of the swimming pool before the damage occurred.

SUBSTANTIAL MODIFICATION. For the purpose of determining compliance with the pool alarm provisions of this appendix, any repair, alteration, addition or improvement of a swimming pool, the cost of which equals or exceeds 50 percent of the market value of the swimming pool before the

improvement or repair is started. If a swimming pool has sustained substantial damage, any repairs are considered substantial modification regardless of the actual repair work performed.

SWIMMING POOL. Any structure, basin, chamber or tank which is intended for swimming, diving, recreational bathing or wading and which contains, is designed to contain, or is capable of containing water more than 24 inches (610 mm) deep at any point. This includes in-ground, above-ground and on-ground pools; indoor pools; hot tubs; spas; and fixed-in-place wading pools.

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 G103 SWIMMING POOLS

G103.1 In-ground pools. In-ground pools shall be designed and constructed in conformance with ANSI/NSPI-5 as listed in Section AG108.

G103.2 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.

SECTION G104 SPAS AND HOT TUBS

G104.1 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.

G104.2 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 G105 BARRIER REQUIREMENTS

G105.1 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.

G105.2 Temporary barriers. An outdoor swimming pool, including an in-ground, above-ground or on-ground pool, hot tub or spa shall be surrounded by a temporary barrier during installation or construction and shall remain in place until a permanent barrier in compliance with Section AG105.3 is provided.

Exceptions:

1. Above-ground or on-ground pools where the pool structure is the barrier in compliance with Section AG105.3.
2. Spas or hot tubs with a safety cover which complies with ASTM F 1346, as listed in Section AG107, provided that such safety cover is in place during the period of installation or construction of such hot tub or spa. The temporary removal of a safety cover as required to facilitate the installation or construction of a hot tub or spa during periods when at least one person engaged in the installation or construction is present is permitted.

G105.2.1 Height. The top of the temporary 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.

G105.2.2 Replacement by a permanent barrier. A temporary barrier shall be replaced by a complying permanent barrier within either of the following periods:

1. 90 days of the date of issuance of the building permit for the installation or construction of the swimming pool; or
2. 90 days of the date of commencement of the installation or construction of the swimming pool.

G105.2.2.1 Replacement extension. Subject to the approval of the code enforcement official, the time period for completion of the permanent barrier may be extended for good cause, including, but not limited to, adverse weather conditions delaying construction.

G105.3 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. Gates shall comply with the requirements of Section AG105.2, Items 1 through 7, and with the following requirements:
 - 8.1. All gates shall be self-closing. In addition, if the gate is a pedestrian access gate, the gate shall open outward, away from the pool.
 - 8.2. All gates shall be self-latching, with the latch handle located within the enclosure (i.e., on the pool side of the enclosure) and at least 40 inches (1016 mm) above grade. In addition, if the latch handle is located less than 54 inches (1372 mm) from the bottom of the gate, the latch handle shall be located at least 3 inches (76 mm) below the top of the gate, and neither the gate nor the barrier shall have any opening greater than 0.5 inch (12.7 mm) within 18 inches (457 mm) of the latch handle.
 - 8.3. All gates shall be securely locked with a key, combination or other child proof lock sufficient to prevent access to the swimming pool through such gate when the swimming pool is not in use or supervised.
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 in accordance with UL 2017. The audible alarm shall activate within 7 seconds and sound continuously for a minimum of 30 seconds after the door and/or its screen, if present, are 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 touch pad or switch, to temporarily deactivate the alarm for a single opening. Deactivation shall last for not more than 15 seconds. 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, shall be acceptable so 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.

G105.4 Indoor swimming pool. Walls surrounding an indoor swimming pool shall comply with Section AG105.2, Item 9.

G105.5 Prohibited locations. Barriers shall be located to prohibit permanent structures, equipment or similar objects from being used to climb them.

G105.6 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 G106 ENTRAPMENT PROTECTION FOR SWIMMING POOL AND SPA SUCTION OUTLETS

G106.1 General. Suction outlets shall be designed to produce circulation throughout the pool or spa. Single-outlet systems, such as automatic vacuum cleaner systems, or multiple suction outlets, whether isolated by valves or otherwise, shall be protected against user entrapment.

G106.1.1 Compliance alternative. Suction outlets may be designed and installed in accordance with ANSI/APSP-7.

G106.2 Suction fittings. Pool and spa suction outlets shall have a cover that conforms to ANSI/ASME A112.19.8, or an

18 inch × 23 inch (457mm by 584 mm) drain grate or larger, or an approved channel drain system.

Exception: Surface skimmers

G106.3 Atmospheric vacuum relief system required. Pool and spa single- or multiple-outlet circulation systems shall be equipped with atmospheric vacuum relief should grate covers located therein become missing or broken. This vacuum relief system shall include at least one approved or engineered method of the type specified herein, as follows:

1. Safety vacuum release system conforming to ASME A112.19.17; or
2. An approved gravity drainage system.

G106.4 Dual drain separation. Single or multiple pump circulation systems have a minimum of two suction outlets of the approved type. A minimum horizontal or vertical distance of 3 feet (914 mm) shall separate the outlets. These suction outlets shall be piped so that water is drawn through them simultaneously through a vacuum-relief-protected line to the pump or pumps.

G106.5 Pool cleaner fittings. Where provided, vacuum or pressure cleaner fitting(s) shall be located in an accessible position(s) at least 6 inches (152 mm) and not more than 12 inches (305 mm) below the minimum operational water level or as an attachment to the skimmer(s).

SECTION G107 SWIMMING POOL AND SPA ALARMS

G107.1 Applicability. A swimming pool or spa installed, constructed or substantially modified after December 14, 2006, shall be equipped with an approved pool alarm.

Exceptions:

1. A hot tub or spa equipped with a safety cover which complies with ASTM F1346, as listed in Section AG109.
2. A swimming pool (other than a hot tub or spa) equipped with an automatic power safety cover which complies with ASTM F1346, as listed in Section AG109.

Pool alarms shall comply with ASTM F2208, as listed in Section AG109, and shall be installed, used and maintained in accordance with the manufacturer's instructions and this section.

G107.2 Multiple alarms. A pool alarm must be capable of detecting entry into the water at any point on the surface of the swimming pool. If necessary to provide detection capability at every point on the surface of the swimming pool, more than one pool alarm shall be provided.

G107.3 Alarm activation. Pool alarms shall activate upon detecting entry into the water and shall sound poolside and inside the dwelling.

G107.4 Prohibited alarms. The use of personal immersion alarms shall not be construed as compliance with this section.

**SECTION G108
ABBREVIATIONS**

G108.1 General.

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

APSP—Association of Pool and Spa Professionals
2111 Eisenhower Avenue, Suite 500
Alexandria, VA 22314-4695

ASME—American Society of Mechanical Engineers
Three Park Avenue, New York, NY 10016-5990

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

NSPI—National Spa and Pool Institute
2111 Eisenhower Avenue, Alexandria, VA 22314

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

Spas, Hot Tubs and Whirlpool
Bathing AppliancesAG106.2

ASME A112.19.17—02 Manufacturers
Safety Vacuum Release Systems (SVRS)
for Residential and Commercial Swimming
Pool, Spa, Hot Tub and
Wading PoolAG106.3

UL

UL2017—2000 Standard for General-purpose
Signaling Devices and Systems—with Revisions
through June 2004AG105.3

**SECTION G109
STANDARDS**

G109.1 General.

ANSI/APSP

ANSI/APSP 7—06 American National
Standard for Suction Entrapment Avoidance
in Swimming Pools, Wading Pools, Spas,
Hot Tubs, and Catch Basins.AG106.1.1

ANSI/NSPI

ANSI/NSPI-3—99 Standard for Permanently
Installed Residential Spas G104.1

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

ANSI/NSPI-5—03 Standard for Residential
In-ground Swimming Pools AG103.1

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

ANSI/ASME A112.19.8—07 Suction Fittings
for Use in Swimming Pools, Wading Pools,
Spas, Hot Tubs and Whirlpool Bathing
Appliances AG106.2

ASTM

ASTM F 1346—91 (1996) Performance
Specification for Safety Covers and
Labeling Requirements for All Covers
for Swimming Pools, Spas and
Hot Tubs. AG105.2, AG105.3, AG105.6, AG107.1

ASTM F2208—2008 Standard Specification
for Pool Alarms AG107.1

ASME

ANSI/ASME A112.19.8—07 Suction Fittings
for Use in Swimming Pools, Wading Pools,

Pool Safely Water Safety Steps



Your greatest water safety assurance comes from adopting and practicing as many safety steps as possible.

Adding an extra safety step around the water can make all the difference. You can never know which safety step will save a life — until it does.

Stay Canny, Be Alert and Watch

- Always watch your children and never leave them unattended.
- Keep children away from pool drains, pipes and other openings.
- Have a phone close by at all times.
- If a child is missing, check the pool first.
- Share safety instructions with family, friends and neighbors.

Learn and Practice Water Safety Skills

Learn to swim, it's fun and good exercise. Know how to perform CPR on children and adults. Understand the basics of life saving so that you can assist in a pool emergency.

Have the Appropriate Equipment

Install a fence around the perimeter of the pool and spa of at least four feet in height.

Use self-closing and self-latching gates.

Make sure the pools and spas you use have compliant drain covers.

Install a door alarm from the house to the pool area.

Maintain pool and spa covers in working order.

Have life-saving equipment such as life rings or reaching poles available for use.



CPSC Pub. 310 0710

Pool Safely: Simple Steps Save Lives

Pool Safely is a national public education campaign to reduce child drownings, non-fatal submersions and entrapments in public swimming pools and spas. The campaign was developed by the U.S. Consumer Product Safety Commission (CPSC) to carry out the requirements of the *Virginia Graeme Baker Pool and Spa Safety Act*, federal legislation mandating new requirements for public pools and spas, including a public education campaign. Few people know of the hidden dangers from drain or suction entrapments. What's more, nearly 300 children under the age of five drown in residential and public pools and spas each year. Submersion incidents requiring emergency-room treatment or hospitalization number in the thousands and many victims experience permanent disability, including brain damage.

CPSC is working with other safety groups and state and local governments to ensure drowning and entrapment prevention become important public safety priorities by:

- Enforcing requirements that all public pools and spas have anti-entrapment drain covers and other safety equipment, as needed;
- Reducing child drownings, non-fatal submersions and suction entrapments in pools and spas;
- Encouraging the use of multiple safety steps in and around pools and spas; and
- Educating the public on the importance of constant supervision of children in and around water.

You and your family can *Pool Safely* and enjoy time at pools and spas by adopting extra safety steps.

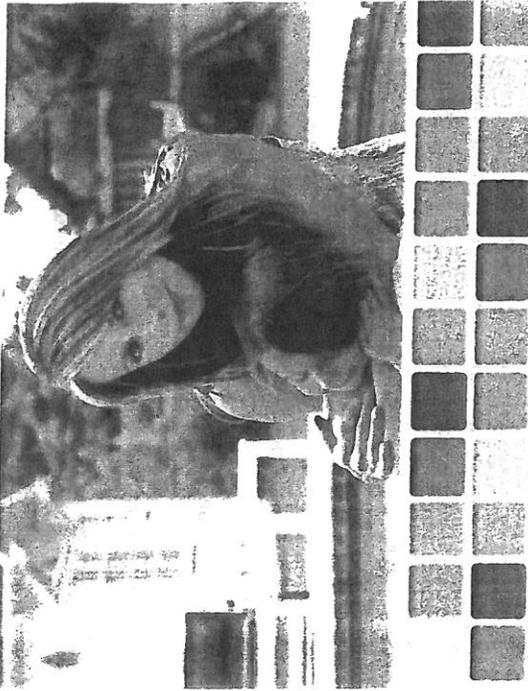
For more information and resources for public pool and spa safety and the Pool and Spa Safety Act, visit:

www.PoolSafely.gov

Follow us on Twitter @poolsafely

See us @ www.flickr.com/photos/poolsafely/

Watch us @ www.youtube.com/poolsafely



Guidance for Safety The Pool and Spa Safety Act



A public education campaign from the
U.S. Consumer Product Safety Commission

simple steps
save lives

SAFELY

Avoid Drain Entrapments

Hair entanglement: hair can get caught in a faulty or broken drain cover

Limbs: arms, legs and fingers can become lodged in a suction opening

Body: any body part that can cover a drain can be held down by suction

Visceration: sitting on a broken or uncovered drain can cause injuries or disembowelment

Mechanical: jewelry or bathing suits can become entangled in a drain cover

A pool or spa with a broken, loose or missing drain cover should be closed immediately until repairs are made by a licensed professional. If you see a broken or loose drain cover, immediately notify a lifeguard and the pool/spa manager. Ensure all pools and spas used by your family have compliant drain covers and other anti-entrapment safety devices, as needed.

Make Sure Your Children:

- Do not play or swim near drains or suction outlets, especially in spas and shallow pools.
- Never enter a pool or spa that has a loose, broken or missing drain cover.

Pool Safely is partnering with leading national safety organizations, nonprofits, communities and the pool and spa industry to ensure the sustainability of the nationwide water safety initiative. Drowning, non-fatal submersion and entrapment incidents are preventable and you can help!



Public pool and spa safety is a top priority for CPSC. The CPSC is working with the pool and spa industry to ensure that all pools and spas used by your family have compliant drain covers and other anti-entrapment safety devices, as needed.

New drain covers come in a variety of sizes and shapes. For a list of cover manufacturers see: www.PoolSafely.gov.



Virginia Graeme Baker

In June 2002, seven-year-old Virginia Graeme Baker died after becoming stuck on a hot tub drain due to a powerful suction force. The drain's suction was so powerful that it took two adult males to pull her from the drain. They pulled so hard that the drain cover broke from the force. Graeme died from drowning but the real cause of her death was suction entrapment due to a faulty drain cover.

As of December 19, 2008, pursuant to the Pool and Spa Safety Act, all operating public pools and spas must have drain covers that meet the ASME/ANSI A112.19.8-2007 standard on every drain/grate. Drain covers are to display (per the ASME standard):

- Use — single or multiple
- Flow rate GPM
- "Life" (number of years)
- Wall and/or floor mount
- Manufacturer's name
- Model number

If a public pool has a single main drain (other than an unblockable drain), or multiple drains less than 3 feet apart, the operator must either disable the drain(s) or install a second anti-entrapment device or system, such as:

- Safety Vacuum Release Systems
- Suction-Limiting Vent System
- Gravity Drainage System
- Automatic Pump Shut-off System
- Drain Disabling

All products should be certified by one of the following independent, nationally recognized testing laboratories: Underwriters Laboratories, the National Sanitation Foundation, and IAPMO (International Association of Plumbing and Mechanical Officials). CPSC staff advises checking with local and state officials to confirm any local/state certification or installation requirements.

Public pool and spa owners should have their facilities inspected by a licensed professional engineer and install P&SS Act compliant covers.

Report drain entrapments in pools and spas:

Call CPSC's hotline at (800) 630-2772 or Email: info@cpsc.gov

PERMANENTLY INSTALLED SWIMMING POOLS

ELECTRICAL WIRING REQUIREMENTS

2008 National Electrical Code / 2010 Residential Code of New York State
www.iaei-rochester.com

PERMANENTLY INSTALLED SWIMMING POOLS ARE THOSE THAT ARE CONSTRUCTED IN THE GROUND OR PARTIALLY IN THE GROUND, AND ALL OTHERS CAPABLE OF HOLDING WATER WITH A DEPTH GREATER THAN 42 INCHES (1067 MM)

1) Pool Pump Receptacle (Outlet) and Wiring Method

- a. If a pump motor receptacle is located between 6' – 10' from the inside pool wall, the receptacle must be a single twist-lock outlet, grounded, and Ground Fault Circuit Interrupter (GFCI) protected.
 - b. Receptacle must have a weatherproof cover that can be closed when the cord is plugged in. (In-use type cover)
 - c. An Automatic Timer (Time Switch) must be installed on swimming pool pumps.
 - d. The circuit line for the pump motor must be a continuous line going directly to the panel box, and is to be isolated from all other receptacles.
 - e. Wire for the pump motor shall not be less than #12 AWG insulated copper grounded wire, and must be in conduit. (except when entering a building the wire can change to NM) (Cannot use NM wire in conduit)
 - f. Conduit
 - i. PVC – All PVC conduit* must be buried at least 18" deep (12" if GFCI protected)
 - ii. Metal – All Rigid Metal Conduit* must be at least 6" deep
- * Wires used in conduit must be single strand wires (ex: THWN, etc - NO NM or UF CABLE in Conduit)

2) Convenience Receptacle (Outlet) and Wiring Method

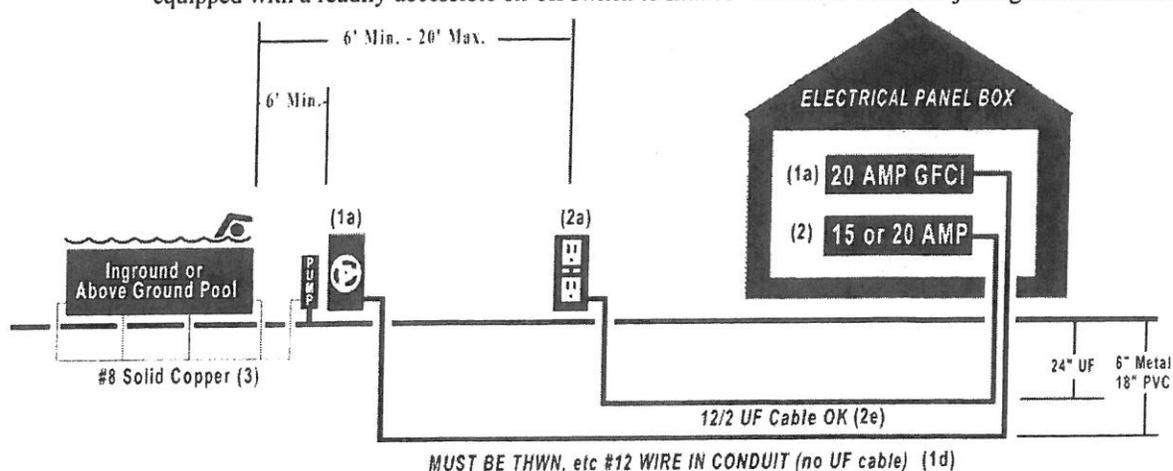
- a. At least one (1) 15- or 20-ampere convenience receptacle must be located not closer than 6' but not further than 20' from the outside pool wall (Can be existing and/or wired with any approved wiring method)
 - b. Convenience receptacle must be Ground Fault Circuit Interrupter (GFCI) protected.
 - c. Must have a weatherproof cover where exposed to the weather (In-use type cover required on used, unattended, receptacles in wet locations)
 - d. Must be separate from the pool pump receptacle wiring.
 - e. Wiring
 - i. UF cable if buried must be at least 24" deep
 - ii. PVC – All PVC conduit* must be buried at least 18" deep (12" if GFCI protected)
 - iii. Metal – All Rigid Metal Conduit* must be at least 6" deep
- * Wires used in conduit must be single strand wires (ex: THWN, etc - NO NM or UF CABLE in Conduit)

3) Bonding The Pool

- a. All metal parts must be bonded together using a #8 (or larger) solid copper wire.
- b. Must use non-corrosive clamps.
- c. Conductive pool shells must be bonded in a minimum of four (4) equal points uniformly spaced around the pool
- d. Nonconductive pool shells must have a #8 (or larger) solid, bare copper wire 18"-24" from the inside pool wall under the perimeter surface 4"-6" below the final grade.
- e. A minimum of nine (9) square inches of metal must be in the water to bond the water

4) Other

- a. Building Permits are required. Secure a Building Permit prior to beginning work from your municipality
- b. Pool Alarms are required (Check with your local Building Department for additional information)
- c. If a Pool Heater is present, an Automatic Timer (Time Switch) must be installed on the pool heater and must be equipped with a readily accessible on-off switch to shut off the heater without adjusting the thermostat setting.



PLEASE CONTACT YOUR LOCAL INSPECTOR IF YOU HAVE ANY QUESTIONS

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~ 2011 ~

REQUIRED INFORMATION FOR AN APPROVED BUILDING PERMIT

TOWN OF NEWSTEAD BUILDING DEPARTMENT 542-4574

(Check to see if the property is in the floodplain or wetlands. *If building in a floodplain, you must apply for a Floodplain Development Permit. You cannot build in a wetland area)

1. **A Completed Building Permit Application**
2. **A Copy of your survey** with what you are building drawn on it with dimensions and distances from lot lines and other structures.
3. **A drawing/plans** of the building project. Must be stamped by an architect if project is over 600 sq. ft. and at the discretion of the Code Enforcement Officer.
4. **Insurance**
 - If you are doing the job yourself, we will need a notarized Homeowner's Affidavit stating that you have homeowner's insurance. We can do this in the Building Department. If the job is larger, you will be required to get Worker's Comp. Insurance.
 - If a contractor is doing the work, we will need the following certificates naming the Town of Newstead, 5 Clarence Center Road, Akron, NY 14001 on them:
 - General Liability (Accord form only)
 - Worker's Compensation (WC/DB-100; C-105.2; S1-12; U26.3)
 - Disability (WC/DB-100; DB-120.1; DB-155)
 - If your contractor is a sole proprietor with no employees or subs, please have them complete the CE-200 form online (job specific) and print a copy for our office. If the contractor subs out any work, we require a Worker Comp. Certificate.
5. **Payment of the building permit fee**

X/Building/REQUIRED INFORMATION FOR A sm bldg permit APPROVED