



TOWN OF FORT EDWARD

118 BROADWAY

P.O. BOX 127

FORT EDWARD, N.Y. 12828-0127

OFFICE – 518.747.5212 -----FAX 518.747.2493

RESIDENTIAL SWIMMING POOL PERMIT APPLICATION

(Clerk's Office Use Only)

APPLICATION NO: _____ DATE : _____

FEE PAID: _____

Requirements, Fees and Instructions (Please use dark blue or black ink)

The application must be filled out completely and in every respect with ALL questions answered and ALL required attachments before the Town can officially accept the application for processing. If the application is incomplete, it will be returned to you for completion or inclusion of the deficient information.

A PERMIT MUST BE OBTAINED BEFORE WORK BEGINS. APPLICATION IS SUBJECT TO REVIEW BEFORE ISSUANCE OF A VALID PERMIT. NO INSPECTIONS WILL BE MADE UNTIL THE APPLICANT HAS RECEIVED A VALID PERMIT. TO ENSURE TIMELY REVIEW OF YOUR APPLICATION PLEASE COMPLETE THIS FORM IN ITS ENTIRETY AND PROVIDE WITH THIS APPLICATION THE FOLLOWING DOCUMENTATION:

- Site Plan or Sketch Plan of property (include as much detail as possible and all existing and proposed conditions on the property, with pool size and location shown along with all associated equipment and utilities required)
- Construction Plans and Specifications for Swimming Pool (size, shape, construction materials, type – above or below ground, color, screening, and etc). All requirements of the Residential Building Code (Appendix G attached) shall be complied with. Proof of compliance must be submitted with this Application
- If the Owner is not the Applicant an Authorization of Agent form must be provided
- Swimming Pools must comply with permitted uses and bulk data requirements for the applicable Zoning District. If it is not a permitted use or does not comply with all bulk data requirements then an Area or Use Variance must be obtained prior to making application for a building permit

Please submit the original plus (3) three copies of your Application and supporting documentation to the Town Clerk's Office for distribution to the Zoning Administrator and Code Enforcement Officer for review and verification of permit requirements.

OWNER INFORMATION

Owner's Name: _____
Owner's Address: _____
Owner's Phone: _____
Owner's Fax: _____
Owner's E-Mail: _____

POOL INSTALLER/CONTRACTOR INFORMATION

Installer Name: _____
Installer Address: _____
Installer Phone: _____
Installer Fax: _____
Installer E-Mail: _____

GENERAL INFORMATION

Contact person for Building & Codes compliance: _____

Phone number for contact person: _____

General description of location and details of proposed pool installation:

Type of Pool Proposed: ☐ Above-ground ☐ In-ground ☐ Interior

Dimensions of Pool: _____

Pool Construction/Materials:

☐ Gunite ☐ Poured Concrete ☐ Steel/Vinyl ☐ Liner
☐ Fiberglass ☐ Other: _____

Manufacturer: _____

A Final Inspection by the Town of Fort Edward is required before use of the pool is authorized. The Code Enforcement Officer will require proof of an approved Electrical Inspection (sticker to be placed on the Panel Box) and compliance with code requirements to include, but not limited to; perimeter barrier or fence, electrical systems, alarms, entrapment prevention, and energy conservation.

To the best of my knowledge, the statements contained in this application, together with the plans and specifications submitted are a true and complete statement of all proposed work to be done on the described premises and that all provisions of the Building Codes, the Zoning Ordinance, and all other local, state, and federal laws pertaining to the proposed work shall be complied with, whether specified or noted, and that such work is authorized by the Owner. Further, it is understood that the Applicant shall satisfy all inspection requirements of the permit prior to a Certificate of Occupancy or Certificate of Compliance being issued. Any permits issued are valid for a period of (1) one year and all work must be completed by such date unless the Applicant applies for and is granted an extension of time by the Code Enforcement Officer.

Date: _____

Name: _____

Signed: _____

ENERGY CONSERVATION CONSTRUCTION CODE OF NYS

403.9 Pools. Pools shall be provided with energy-conserving measures in accordance with Sections 403.9.1 through 403.9.3.

403.9.1 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.

403.9.2 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.

403.9.3 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.

Exception: Pools deriving over 60 percent of the energy for heating from site-recovered energy or solar energy source.

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 (457 mm 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 PoolsAG103.2

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

ANSI/NSPI-6—99 Standard for Residential
Portable SpasAG104.2

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,