

Code Enforcement Office
99 Main Street, PO Box 85
East Bloomfield, New York 14443
Office (585) 657-5455 Fax (585) 657-7276

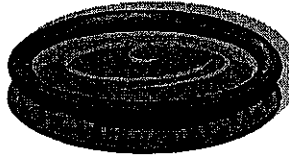
Requirements for Building Permit Application

For Inflatable Swimming Pools

1. One copy of the Building Permit Application completely filled out.
2. One copy of Site Plan, showing placement of pool and lot line distances.
3. **Pools must be behind the front line of the house.**
4. Certificate of Insurance for contractor, if hiring a contractor.
5. Affidavit of Exemption, if completing the work yourself. (Note: Code Enforcement Officer can notarize this form)
6. Return to Code Enforcement Officer for review and approval.
7. Fee is **\$75** for pool permit. Make checks payable to the Town of East Bloomfield.

**Town of East Bloomfield
And
Village of Bloomfield
Informational Bulletin**

Inflatable Pools



These popular pools take just minutes to inflate, but they still fall under New York State Building Code requirements for Swimming Pools and require a permit and inspections. There is no provision for a "temporary" swimming pool in the code.

All inflatable swimming pools require:

A permit, electrical inspection, alarm, and safety enclosures, such as fencing, to prevent children from wandering too close to the water.

A swimming pool is:

Any structure intended for swimming or recreational bathing that contains water over 24 inches deep. This includes in-ground, above-ground and on-ground swimming pools, hot tubs and spas.

"Contains" means:

The pool wall is high enough for the pool to be **capable of containing** water a depth of more than 24 inches when filled. The term does not mean that you can "limit" the water depth to less than 24 inches in a pool that is capable of containing deeper water.

Swimming Pool Alarms:

Each residential 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 entering the water and gives 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 the Underwriter's Laboratory, Inc. to reference standard ASTM F2208, ENTITLED Standard Specification for Pool Alarms, as adopted in 2002;
- (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.

All swimming pool applications must:

- be submitted and approved by the Code Enforcement Office, prior to the installation of any pool.
- meet NYS Electrical Code and Barrier/Fencing Requirements as listed in the attached documents.

Contact the Code Enforcement Office to receive a swimming pool permit application.

585-657-5455

Town of East Bloomfield Town Hall

PO Box 85

99 Main Street

Bloomfield, NY 14469

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Village of Bloomfield
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Electrical Code Requirements *For Inflatable (Storable) Swimming Pools*

§RE4107.1 Pumps. A cord-connected pool filter pump for use with storable pools shall incorporate an approved system of double insulation or its equivalent and shall be provided with means for grounding only the internal and nonaccessible noncurrent-carrying metal parts of the appliance.

The means for grounding shall be an equipment grounding conductor run with the power-supply conductors in a flexible cord that is properly terminated in a grounding-type attachment plug having a fixed grounding contact.

§RE4107.2 Ground-fault circuit-interrupters required. Electrical equipment, including power-supply cords, used with storable pools shall be protected by ground-fault circuit-interrupters.

Barrier/Fence Requirements *For Inflatable (Storable) Swimming Pools*

§PM 303.3 Outdoor swimming pool. An outdoor swimming pool, including an in-ground, aboveground or on-ground pool, hot tub or spa shall be provided with 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 aboveground 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 2 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 1.75 inches (44 mm) in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1.75 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 1.75 inches (44 mm) in width.

6. Maximum mesh size for chain link fences shall be a 1.25-inch (32 mm) square unless the fence is provided with slats fastened at the top or the bottom which reduce the openings to not more than 1.75 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 1.75 inches (44 mm).

8. Access gates shall comply with the requirements of Section §PM 303.3, Items 1 through 7, and 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. 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 greater than 0.5 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 F1346; or

9.2. 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 (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 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 aboveground 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, then:

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 §PM 303.3, 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.

2010 New York Energy Code for all Pools.

Swimming Pools

Heated pools:

- Pool heaters must have an ON-OFF switch
- Must be equipped with a pool cover
 - Exception: if pool is heated 20% by a non-depletable source (yes, this is difficult to determine and will ultimately be up to the jurisdiction)

All pools:

- Time clocks for circulation pumps - allows pump to be run at times when electric demand is lower and can be set to run for the minimum time necessary to keep the water clean and sanitary

Benefits of a pool cover

For outdoor pools:

- eliminates evaporative losses
- covers can save up to 50% on energy consumption

For indoor pools:

- eliminates evaporative losses
- reduces or eliminates the need for humidity control

Pump Operation

For circulating hot water systems, an on-off switch is required to turn the pump off when the system is not in operation.

Pipe Insulation

Minimum Pipe Insulation (thickness in inches)

SERVICE WATER-HEATING TEMPERATURES (°F)	PIPE SIZES ^a			
	Noncirculating runouts	Circulating mains and runouts		
	Up to 1"	Up to 1.25"	1.5" to 2"	Over 2"
170-180	0.5	1.0	1.5	2.0
140-169	0.5	0.5	1.0	1.5
100-139	0.5	0.5	0.5	1.0

http://www.energycodes.gov/training/res_wbt/swh.stm