SWIMMING POOL
PERMIT APPLICATION

Dear Applicant:

Attached is a Lewis County Swimming Pool Application. This application is for use only in communities where the County of Lewis is responsible for enforcement of the Building Codes of New York State. The permit applied for with this form applies only to the Building Codes of New York State and has no bearing on the other local, state, or federal regulations, such as zoning or floodplain ordinance, etc.

The permit fee must be submitted to the Lewis County Building & Codes Office with the completed application. Please make all checks payable to the Lewis County Clerk and mail to the Lewis County Building & Codes Department, 7660 North State Street, Lowville, New York 13367.

The permit and all correspondence will be mailed to the owner at the address indicated on the application.

It is the responsibility of the owner to see that the Lewis County Code Enforcement Officer is notified when the project will be ready for the next inspection.

If you have any questions, please contact the Lewis County Building & Codes Office at (315) 376-5377.

Sincerely,

Ward John Dailey
Senior Code Enforcement Officer

Attachment
Swimming Pool Permit Application

Date ____________________ Census Code ____________________

Tax Map # ____________________

Construction Start Up Date ____________________ Application Fee $ 35.00 ____________________

Property Owner’s Name ____________________ Phone ____________________

Mailing address ____________________

Contractor Name ____________________ Phone ____________________

Contractor’s Mailing address ____________________

Project Address (911 address) ____________________ Town ____________________

Description of Project ____________________

Size of Pool ____________________

To apply for a Pool Permit, you MUST provide this Application filled out, a check payable to the Lewis County Clerk for the application fee, One (1) copy of a Plot Plan, and an approved Zoning / Land Use Permit where required by your town.

THIS PERMIT COVERS ONLY THE WORK DESCRIBED IN THIS APPLICATION.

I HEREBY CERTIFY THAT I HAVE READ AND EXAMINED THIS APPLICATION AND KNOW THE SAME TO BE TRUE AND CORRECT. ALL PROVISIONS OF LAWS AND ORDINANCES GOVERNING THIS TYPE OF WORK WILL BE COMPLIED WITH WHETHER SPECIFIED HEREIN OR NOT. THE GRANTING OF A PERMIT DOES NOT PREJURE TO GIVE AUTHORITY TO VIOLATE OR CANCEL THE PROVISIONS OF ANY OTHER STATE OR LOCAL LAW REGULATING CONSTRUCTION OR THE PERFORMANCE OF CONSTRUCTION.

Signature of Applicant or Authorized Agent ____________________ Date ____________________

FOR ENFORCEMENT OFFICERS USE ONLY

Value of Work (materials & labor) - $ ______________ Approved Zoning Permit Required – YES / NO /NA

I, the undersigned, Code Enforcement Officer of the County of Lewis, hereby (approve) (deny) the within application for a building permit.

Date ____________________ Code Enforcement Officer ____________________

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STATEMENT OF WORKERS COMPENSATION
(HOMEOWNER)

Under penalty of perjury, I certify that I am the owner of the residence listed on the building permit that I am applying for, and I am not required to show specific proof of workers' compensation insurance coverage for such residence because (please circle one):

A) I am performing all the work for which this building permit is issued.
B) I am not hiring, paying or compensating in any way, the individual(s) that is (are) performing all the work for which this building permit is issued or helping me perform such work.
C) I have a homeowners insurance policy that is currently in effect and covers the property listed on the attached building permit AND am hiring or paying individuals a total of less than 40 hours per week (aggregate hours for all paid individuals on the jobsite) for which this building permit is issued.

I understand that I will have to acquire Worker's Compensation if, I need to hire or pay individuals a total of 40 hours or more per week (aggregate hours for all paid individuals on the jobsite) for work indicated on this building permit; OR have a general contractor, performing the work listed on the building permit that I am applying for, provide appropriate proof of workers' compensation coverage or proof of exemption from that coverage on forms approved by the Chair of the NYS Workers' Compensation Board to the government entity issuing the building permit if the project takes a total of 40 hours or more per week (aggregate hours for all paid individuals on the jobsite) for work indicated on this building permit.

Signature of Homeowner _____________________________________________ Date Signed ________________
Homeowners Name Printed ____________________________________________

STATEMENT OF WORKERS COMPENSATION
(CONTRACTOR)

As the contractor of record for this permit application, I understand that I am responsible for proof of Workers Compensation or proof of Exemption from Workers Compensation. I agree I will provide proof of Workers Compensation or proof of Exemption to the Lewis County Fire Prevention and Building Codes office. I understand that the proof will be filed for a period of 1 year.

Signature of Contractor _____________________________________________ Date Signed ________________
Contractors Name Printed ____________________________________________

STATEMENT OF ENVIRONMENTAL CONCERN
(HOMEOWNER)

This Statement confirms that I have read and been made aware that the New York State Department of Environmental Conservation requires a State Pollution Discharge Elimination System Permit (S.P.D.E.S.) be obtained for disturbance of property greater than one (1) acre; this is to include driveways, location of house and all outbuildings & pools.

For more information, you are strongly urged to contact the D.E.C. Bureau of Water Permits at 518-402-8111 or online at www.dec.state.ny.us/website/dow/mainpage.htm

State imposed fines for a violation of this law can be a substantial $37,500. per day. If in doubt, call New York State Department of Environmental Conservation.

Signature of Homeowner _____________________________________________ Date Signed ________________
Homeowners Name Printed ____________________________________________
POOL PERMIT

TEMPORARY SWIMMING POOL ENCLOSURES

During the installation or construction of a swimming pool, such swimming pool shall be enclosed by a temporary enclosure, which shall sufficiently prevent any access to the swimming pool by any person not engaged in the installation or construction of the swimming pool, and sufficiently provide for the safety of any such person. Such temporary enclosure may consist of a temporary fence, a permanent fence, the wall of a permanent structure, any other structure, or any combination of the foregoing, provided all portions of the temporary enclosure shall be no less than four (4) feet high, and provided further that all components of the temporary enclosure shall have been approved as sufficiently preventing access to the swimming pool by any person not engaged in the installation or construction of the swimming pool, and as sufficiently providing for the safety of all such persons. Such temporary enclosure shall remain in place throughout the period of installation or construction of the swimming pool, and thereafter until the installation or construction of a complying permanent enclosure shall have been completed.

PERMANENT ENCLOSURES

A temporary swimming pool enclosure shall be replaced by a complying permanent enclosure. The installation or construction of the complying permanent enclosure must be completed within ninety days after the later of

- The date of issuance of the building permit for the installation or construction of the swimming pool or
- The date of commencement of the installation or construction of the swimming pool

Provided, however, that if swimming pool is installed or constructed without the issuance of a building permit, the installation or construction of the complying permanent enclosure must be completed within ninety days after the date of commencement of the installation or construction of the swimming pool. Nothing in this subdivision shall be construed as permitting the installation or construction of a swimming pool without the issuance of a building permit if such a building permit is required by any statute, rule, regulation, local law or ordinance relating to the administration and enforcement of the Uniform Code with respect to such swimming pool.
POOL PERMIT

FENCING / BARRIERS / ENCLOSURES

§RAG105.2 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 the top of the pool structure. Where the barrier is mounted on the 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 1.75 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 2.25-inch (57 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. Gates shall comply with the requirements of §RAG105.2, 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 inches (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 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 touch pad 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, shall be acceptable so long as the degree of protection afforded is not less than the protection afforded by 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 SRAG105.2, 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.

__________________________
Print Name

__________________________
Sign Name
1228.2. Swimming Pool Alarms

(a) Purpose. This section is intended to implement the provisions of paragraph (b) of subdivision (14) of section 378 of the Executive Law, which 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.”

__________________________
Print Name

__________________________
Sign Name
§RAG102
DEFINITIONS

§RAG102.1 General. For the purposes of these requirements, the terms used shall be defined as follows and as set forth in Chapter R2.

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, aboveground 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 walls of said structure.

SWIMMING POOL, OUTDOOR. Any swimming pool which is not an indoor pool.
COMMONWEALTH ELECTRICAL INSPECTION SERVICE INC.
1355 PITTSFORD-MENDON ROAD, PO BOX 723, MENDON, NY 14506

SPRING 2011 RULES
This covers most pools

ELECTRICAL CODE RULES BASED ON 2008 N.F.PA -70
THE RESIDENTIAL CODE OF New York STATE 2010
ALL IN-GROUND POOLS AND ABOVE GROUND POOLS CAPABLE OF HOLDING 42" OR
MORE OF WATER ARE CONSIDERED PERMANENTLY INSTALLED POOLS

1. Wiring for pump motor shall not have less than # 12 AWG insulated copper grounding wire, and to be in conduit, except when entering building can change to NM cable 680.21(A) (1-4) If using 15 amp breaker may be 14 gauge wire for hot and neutral but ground must be #12.

2. If the pump motor receptacle is located from 6' to 10' from outside pool wall. The receptacle must be single, twistlock, 15 or 20amp, GFCI protected with watertight inuse cover. 680.22(A)(1)(1-4)

3. Pump motor cord shall not exceed 3' and shall have a grounding wire of not smaller than # 12 AWG copper. 680.7

4. Circuit line for pump motor shall be a continuous circuit going directly to panel box and shall have no other receptacles. 430-22(A) All pumps and heaters must have a timer controlled power circuit. (Energy Code)

5. A receptacle used unattended in a wet location shall have a watertight inuse cover. 406.8 (B)(1)

6. All underground UF wire and PVC conduits must be 18" deep, unless circuit is protected by GFCI upstream then 12" deep. 300.5 Only electric specific to the pool is allowed less than 5" feet to the water’s edge and must be 18" deep and be installed in an approved raceway. 680.10

7. At least one convenience receptacle must be located between 6 and 20 feet from the waters edge and must be GFCI protected. Existing outlets between 6 and 20 feet shall be GFCI protected. 680.22(A)(1-5) This can be wired with any approved wiring method.

8. All metal parts must be bonded together with a No. 8 or larger solid copper wire must be used. (Motor, ladders pool frame, diving board, lights, etc.) 680-22 / E4104.1

9. A minimum of 9 square inches of metal must be in contact with the water to bond water.

10. Metal ladder or railing count as bond

11. PERIMETER EQUIPOTENTIAL BONDING all pools with shall have #8 CU 18-24 inches out 4-6 inches deep if no concrete with wire or mesh in it. 680.26 (B)(2) this wire must circle pool.

12. When bonding pool frame or any metal parts to main bonding wires or wire mesh, you must use listed non-corrosion clamps. 680-22(A)(B) / E4104.1 Both #11 and #12 attach to motor lug.

13. For in pool lights ask for separate light regulation sheet.

14. For any lighting fixtures outside of pool. 680-6 (b) (1) (2) (3) / E4103.4.3

NOTE: A building permit is required in ALL localities, secure permits before starting. Pool alarms required on all new pools.

Picture - next page
POOL FENCE
AN INVESTMENT WORTH MAKING...
AND A REQUIREMENT OF THE CODE!

Swimming pools, spas, and hot tubs are becoming more frequent in the back yards of homes across the State. While very enjoyable to the users, these places of comfort are very alluring to young children. Protection against unsupervised children is paramount in avoiding a household disaster.

Barriers like pool fences are working! In 1985, New York State started requiring pool fences when the rate of child deaths (newborn to 4 years old) soared to 17 drownings per million. By 1999, that number dropped by 95%.

When do I need a barrier?

Barriers, such as fences, are required around swimming pools, hot tubs and spas. This includes both fixed and portable units, including pre-formed or inflatable pools. The only exception is when a swimming pool is not able to contain more than 24" of water.

Are existing swimming pools exempt from barrier requirements?

No. All swimming pools, no matter how old, are required to have a barrier around them. The Property Maintenance Code of New York State requires an approved barrier around all swimming pools, regardless of their age.

What are the requirements for barriers?

The Residential Code of New York State and the Building Code of New York State regulate the construction parameters of barriers. Several options are available.

1. A 48" barrier shall surround the pool area. The barrier can be made using various methods including masonry, wood, or metal. Whatever method is used, it must not allow passage of children through the barrier as well as be constructed to prevent climbing.

2. For above ground pools, the side wall can be used as part of the barrier as long as the walls are 48" above the ground and the access ladder is secured. A barrier can be placed on top of the pool if it doesn’t quite make the 48" by itself.

3. When the wall of a building serves as the barrier, or a portion thereof, a power operated top can be used or alarms can be placed on the doors leading to the pool area.

Do I need to put a barrier up to protect my hot tub or spa?

No. Hot tubs and spas are exempt from the barrier if equipped with a safety cover complying with the ASTM F1346 safety standard.

Do fences, gates and folding ladders need to be locked?

Yes. Pool gates and folding ladders do need to be locked when unsupervised. This needs to be achieved by a key, combination, or child-proof lock.

For more information, contact the Department of State Division of Code Enforcement and Administration 41 State St. Albany, NY 12231 Phone: (518) 474-4073 Fax: (518) 486-4487 http://www.dos.state.ny.us

Specifics on fence construction and permitted gates are found in the Residential Code of New York State and the Building Code of New York State
Effective Date:  January 1, 2003

Source Document:  19NYCRR 1220 - Residential Code of New York State (RCNYS)

Topic:  Self-set swimming pool with 48 inch wall height

This document is to answer the question whether a self-set or quick-set swimming pool (not rigid metal walls) with 48 inch or more wall height meets the requirements of section AG105.2 of Appendix G of the Residential Code of New York State (RCNYS) as a barrier.

NO.  Section AG105.2 states in part:

   An outdoor swimming pool, including an in-ground, aboveground or on-ground pool, hot tub or spa shall be provided with a barrier ...

The term “barrier” is defined as “A fence, wall, building wall or combination thereof which completely surrounds the swimming pool and obstructs access to the swimming pool.”

Although the self-set pool has a 48 inch wall, it does not obstruct access because it is not rigid. The wall can easily be deflected by a child who grabs the top inflated ring.

Ronald E. Piester, R.A., Director
Division of Code Enforcement and Administration
INFORMATION BULLETIN

Effective Date: January 1, 2003

Source Document: 19 NYCRR 1220, Residential Code of New York State (RCNYS)

Code Section: RCNYS AG 105

Question: Does AG105 require the ground around the portion of an above ground pool which is partially buried in the surrounding soil to be dug out a distance from the pool wall?

Answer: YES. If the pool is not fenced, then the soil has to be removed along the edge of the pool so that the height from grade to the pool edge is at least 48 inches. The code does not provide any guidance with respect to the horizontal distance of the grade adjacent to the pool. The new grade adjoining the pool edge shall be extended away from the pool far enough that the adjacent grade does not provide access to the pool by small children.
HOT TUB AND SPA WIRING

1. All wiring methods will conform to Article 680 A. and B.

2. Ground Fault Circuit Interrupters shall be self-contained units, circuit breaker types, receptacle types, or other approved types. Article 680-5(b)

3. A receptacle that provides power for a water pump motor for, other loads directly related to the circulation and sanitation system, a permanently installed pool or fountain, as permitted in Section 680-7, shall be permitted between 5 and 10 ft. from the inside walls of the pool or fountain, and, where so located, shall be single and of the locking and grounding types, and shall be protected by a ground fault circuit interrupter. Other receptacles on the property shall be located at least 10 ft. from the inside wall of the pool or fountain. Article 680-6(a)(1)

4. Where a permanently installed pool is installed at a dwelling unit(s), at least one 125-volt, 15 or 20 ampere receptacle on a general purpose branch circuit shall be located a minimum of 10 ft. from and not more than 20 ft. from the inside wall of the pool. This receptacle shall be located not more than 6 ft. 6 in. above the floor, platform, or grade level serving the pool. Article 680-6(a)(2)

5. All electric pool water heaters shall have the heating elements subdivided into loads not exceeding 48 amperes, and protected by not more than 60 amperes. The ampacity of the branch circuit conductors and the rating or setting of the over current protective devices shall not be less than 125 percent of the total load of the nameplate rating. Article 680-9

6. A disconnecting means shall be provided and be accessible, located within sight from all pools, spas, and hot tub equipment, and shall be at least 5 ft. from the inside walls of the pool, spa, or hot tub. Article 690-12

7. Wall switches shall be located at least 5 ft. measured horizontally from the inside walls of the spa or hot tub. Article 680-41(e)

8. PROTECTION: The outlet that supplies:
   (a) A self-contained spa or hot tub, or
   (b) A packaged spa or hot tub equipment assembly, or
(c) A field assembled spa or hot tub with a heater load of 50 amperes or less shall be protected by a ground fault circuit interrupter.

A listed self contained unit or listed packaged equipment assembly marked to indicate that integral ground fault circuit interrupter protection is provided for all electrical parts within the unit or assembly (pumps, air blowers, heaters, lights, controls, sanitizer generators, wiring, etc.) shall not require that the outlet supply be protected by a ground fault circuit interrupter.

A field assembled spa or hot tub rated greater than 250 volts or rated 3 phase shall not require the supply to be protected by a ground fault circuit interrupter.

A combination pool/hot tub or spa assembly commonly bonded need not be protected by a ground fault circuit interrupter. **Article 680-42**
Use the space below or attach a separate sheet to show the location of the proposed building(s) in relation to all roads public or private, distance proposed building is from all bodies of water, the location of all wells and septic systems, existing and proposed, the distance between buildings and give the road name as well as the names of all adjacent landowners. Also show the lot width and depth, and show the distance of proposed building(s) to all property lines.

NOTE: GIVE THE DISTANCE OF ALL WELL AND SEPTIC SYSTEMS ON NEIGHBORING PROPERTIES TO YOUR PROPOSED WELL/SEPTIC IF CLOSER THAN 150FT.

**PLOT DIAGRAM**

**NAME OF ADJACENT LAND OWNER**

**Y OUR PROPERTY LINES**

**OWNERS NAME LEFT SIDE**

**REAR LOT WIDTH**

**OWNERS NAME RIGHT SIDE**

**LOT DEPTH**

**FRONT LOT WIDTH**

**ROAD NAME**

**THIS AREA REPRESENTS THE ROAD IN FRONT OF YOUR PROPOSED SHOW DRAWN WAY.**