



**Pool Permit Application**  
**Lincoln County Planning & Inspections Department**  
115 W. Main Street, Lincolnton, NC 28092  
Phone: (704) 736-8724  
[tradepermits@lincolncountync.gov](mailto:tradepermits@lincolncountync.gov)

Parcel Id #:

Permit #:

**APPLICANT INFORMATION**

Contact Person: \_\_\_\_\_ Phone #: \_\_\_\_\_

Email: \_\_\_\_\_

Pool Owner's Name (if not same): \_\_\_\_\_ Phone #: \_\_\_\_\_

**SITE INFORMATION**

Address where pool is to be located: \_\_\_\_\_

Subdivision Name: \_\_\_\_\_ lot #: \_\_\_\_\_

**APPLICATION TYPE**

New Pool Construction     Addition/Alteration of Existing Pool - year built: \_\_\_\_\_

Construction Cost for Pool: \_\_\_\_\_

Electrical Service/Lighting Circuit     Mechanical

**Note: Subcontractors must pull his/her own permit.**

I will not disturb over 1,000 square feet of land during this construction project  
 I will disturb over 1,000 square feet of land during this construction project and I have a Soil Erosion Application attached.

**CONTRACTOR INFORMATION**

Contractor: \_\_\_\_\_ License #: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

**STRUCTURE INFORMATION**

In Ground     Above Ground     Fiberglass     Hot Tub/Spa

Entrapment Avoidance Method: \_\_\_\_\_

Pool Dimensions: \_\_\_\_\_ Walkway/Patio/Deck Dimensions: \_\_\_\_\_

\*Distance from 760' elevation or rear property line: \_\_\_\_\_

**\*\*\*If lot abuts the lake and was created after 6/30/01, pool must be 50' from 760' elevation.**

**All pools must meet a 10' setback from the property line and have a fence at least 48" tall around them.\*\*\***

Directions to Property: \_\_\_\_\_

**METHOD OF PAYMENT**

Cash     Check # \_\_\_\_\_     Credit     Charge Account

**PLEASE READ THE FOLLOWING BEFORE SIGNING:**

By signing this application below, I certify that I am authorized to apply for permits on this job, that the information given is true and complete to the best of my knowledge and that all work will comply with North Carolina & local building codes, and the Unified Development Ordinance concerning this proposed use. I am aware that this permit will become void after six (6) months from the date of issuance if no inspections have been scheduled and completed to verify work on the project has commenced. For extended projects, I understand that the work must be verified & documented on a yearly basis or the permit will expire. Any violations of the aforementioned regulations and/or the zoning ordinance will be grounds for revocation of any and all permits issued by this department. If located on Lake Norman, I understand that a watershed permit will also be required for the pool.

**I certify that I have read the statement above and I accept responsibility for this project. All work is subject to inspection or testing at the inspector's discretion & the field inspection has final authority.**

Signature (owner/contractor) \_\_\_\_\_

Print Name \_\_\_\_\_ Date \_\_\_\_\_

Contractor     Owner

**\*\*\* REQUIRED INFORMATION / SIGNATURE OF PROPERTY OWNER AND NOTARY REGARDING SEPTIC AND WELL SYSTEMS ON THE PROPERTY - ANY QUESTIONS REGARDING SETBACK REQUIREMENTS TO THESE SYSTEMS SHOULD BE DIRECTED TO ENVIRONMENTAL HEALTH AT 704-736-8426**

## APPENDIX H

### **AFFIDAVIT OF ON-SITE WASTEWATER EXISTING SYSTEM PUSUANT TO N.C.G.S. §160D-1110(h1)**

[This form is only required with a permit application if the permit applicant is applying for exemption as allowed by N.C.G.S. § 160D-1110(h1)]

STATE OF NORTH CAROLINA

COUNTY OF LINCOLN

\_\_\_\_\_  
Inspection Department

Address and Parcel Identification of Real Property Where Building is to be Constructed or Altered:  
\_\_\_\_\_  
\_\_\_\_\_

I, \_\_\_\_\_,

(Print Full Name)

owner of the property, do hereby under penalties of perjury affirm that the proposed building construction will meet local and State on-site wastewater system setback requirements pursuant to N.C.G.S. § 130A-335. Additionally, the proposed construction shall not increase the design daily flow or wastewater strength of the existing system and thereby absolves the State, Inspection Department, and Local Health Department of any responsibility or liability regarding the existing wastewater system.

The property owner may, at his or her discretion, consult with an authorized on-site wastewater evaluator certified by the North Carolina On-Site Wastewater Contractors and Inspectors Certification Board or an inspector, as defined in N.C.G.S. § 90A-71(5), to locate the on-site wastewater existing system and verify setbacks requirements prior to executing this affidavit.

\_\_\_\_\_  
(Signature of Affiant)

\_\_\_\_\_  
Date

Sworn to (or affirmed) and Subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

\_\_\_\_\_  
Signature of Notary Public

\_\_\_\_\_  
Printed Name of Notary Public

My Commission Expires: \_\_\_\_\_ (Notary Stamp or Seal)

**APPENDIX D**  
**AFFIDAVIT OF WORKERS' COMPENSATION COVERAGE**  
**N.C.G.S. §87-14**

The undersigned applicant for Building Permit # \_\_\_\_\_ being the

Contractor: \_\_\_\_\_

Owner: \_\_\_\_\_

Officer/Agent of the Contractor or Owner: \_\_\_\_\_

Do hereby aver under penalties of perjury that the person(s), firm(s) or corporation(s) performing the work set forth in the permit:

has/have three (3) or more employees and have obtained workers' compensation insurance to cover them,  
 has/have one or more subcontractor(s) and have obtained workers' compensation insurance to cover them,  
 has/have one or more subcontractor(s) who has/have their own policy of workmen's compensation covering themselves,  
 has/have not more than two (2) employees and no subcontractors,

while working on the project for which this permit is sought. It is understood that the Inspection Department issuing the permit may require certificates of coverage of workers, compensation insurance prior to issuance of the permit and at any time during the permitted work from any person, firm or corporation carrying out the work.

Firm name: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

\*\*\*\*\* MUST CONTAIN INFORMATION / SIGNATURE OF PROPERTY OWNER \*\*\*\*\*

**EROSION AND SEDIMENT CONTROL  
FOR SINGLE LOT DISTURBANCE OF LESS THAN ONE ACRE  
APPLICATION  
FEE = \$50 PER LOT**

**Building & Land Dev. (704)736-8440**

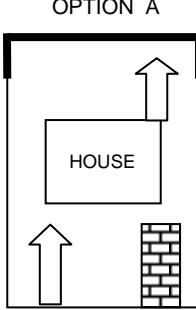
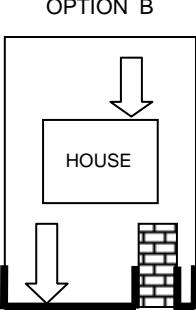
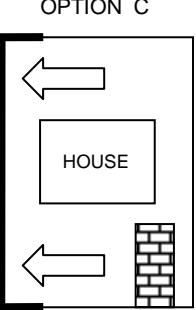
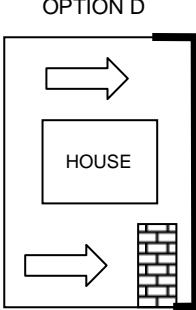
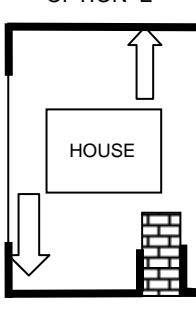
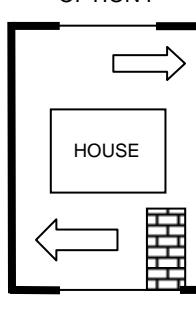
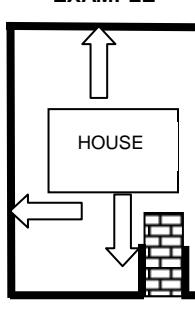
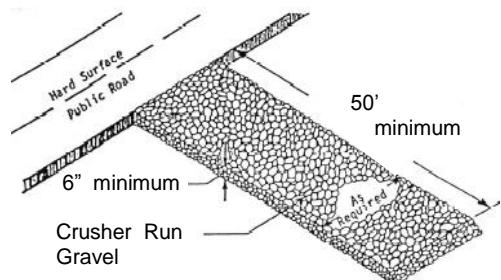
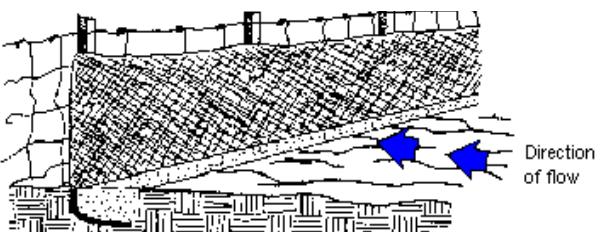
**Natural Resources (704)736-8501**

<b>L O C A T I O N / T Y P E</b>	<b>SUBDIVISION</b>	<b>STREET #</b>	<b>STREET NAME</b>	<b>PARCEL ID#</b>	<b>LOT#</b>	<b>PERMIT #</b>	<b>TYPE</b>
	Size of lot: _____ (sq ft or acres)						
	Amount of lot to be disturbed: _____ (sq ft or acres)						
	Anticipated starting date of construction: _____						
	Is there a stream, lake or watercourse on or near the lot? <input type="checkbox"/> YES <input type="checkbox"/> NO (If yes show on sketch) Name _____						
Structure Type: SFD MODH MFSW MFDW ADD/ALT ACC BLDG							
<b>A P P R O A C H</b>	<b>Choose one of the following:</b>		<b>Erosion Control Measures</b> (include vicinity sketch and north arrow)				
	<input type="checkbox"/> The most appropriate option from the back of this notice is option _____ or a combination of options _____ & _____.		<div style="border: 1px solid black; height: 150px; width: 100%;"></div>				
	<input type="checkbox"/> A sediment basin located on lot _____ is handling soil erosion and sedimentation control. A construction entrance will be installed on this lot.						
	<input type="checkbox"/> The sediment control is as drawn in the space to the right.						
	<input type="checkbox"/> Sediment Control— See attached						
(no scale)							
<b>A P P L I C A N T</b>	<b>I CERTIFY THE INFORMATION THAT I HAVE PROVIDED IN THIS APPLICATION AND ANY ATTACHED DOCUMENTS ARE TRUE, COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE. I ACCEPT RESPONSIBILITY OF INSTALLATION AND MAINTENANCE OF THE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES FOR THIS LOT UNTIL IT IS COMPLETELY STABILIZED WITH GROUNDCOVER. I UNDERSTAND THAT NOT FOLLOWING THESE ORDINANCE GUIDELINES WILL RESULT IN POTENTIAL FINES AND/OR HOLDING UP OF BUILDING INSPECTIONS ON THIS PROJECT.</b>						
	PRINT OWNER'S NAME	TELEPHONE	OWNER'S SIGNATURE			DATE	
	OWNER'S PRINTED MAILING ADDRESS						
	OWNER'S E-MAIL ADDRESS						
	PRINT BUILDER'S NAME	TELEPHONE	BUILDER'S SIGNATURE			DATE	
BUILDER'S PRINTED MAILING ADDRESS							
BUILDER'S E-MAIL ADDRESS							



## EROSION CONTROL OPTIONS FOR LOT CONSTRUCTION

The Soil Erosion and Sedimentation Control Ordinance requires that anyone conducting a land-disturbing activity prevent sediment from leaving the disturbed site. Furthermore, conducting any land-disturbing activity consisting of one acre or more requires an engineered erosion control plan with approval before beginning the disturbance. This includes disturbance of multiple lots totaling one acre or more, regardless of proximity to each other within a subdivision; in cases where fill material is stockpiled, needed, or wasted, the area where this material is stored, coming from, or going to, must be included in the total area of disturbance. Erosion Control measures must be installed prior to any grading or construction on site and maintained correctly to function properly. Please refer to the [NC Erosion and Sediment Control Planning and Design Manual](#) for specific guidance as it relates to installation and maintenance. The site shall be inspected for maintenance needs weekly and after each storm event, whichever is sooner.

SEDIMENTATION AND EROSION CONTROL OPTIONS	
<b>LEGEND</b> <b>INSTRUCTIONS:</b> IDENTIFY ONE OR ANY COMBINATION OF LETTERS FROM THE SEDIMENT CONTROL SKETCHES BELOW THAT BEST DESCRIBES THE EROSION CONTROL MEASURES THAT WILL BE USED DURING CONSTRUCTION.	<b>Construction Sequence:</b> <ol style="list-style-type: none"> <li>1. Install construction entrance; 2. Install silt fence;</li> <li>3. Rough grade site; 4. Final grade site; 5. Stabilize site; 6. Remove erosion control measures after site has been inspected for compliance by the Natural Resource Department.</li> </ol>
<b>EROSION CONTROL OPTIONS</b>	 <p>Flow to the Rear OPTION A</p>  <p>Flow to the Front OPTION B</p>  <p>Flow to the Left OPTION C</p>  <p>Flow to the Right OPTION D</p>  <p>Flow to the Front &amp; Rear OPTION E</p>  <p>Flow to the Left &amp; Right OPTION F</p>
	<b>EXAMPLE</b>  <p>Combination C &amp; E</p>
<b>Construction Examples</b>	 <p>50' minimum 6" minimum Crusher Run Gravel If wetness is a problem geotextile fabric will be required</p> <p>Spacing of metal tee post with fabric shall be max. of 6' without wire fence Spacing of metal tee post with fabric and wire fence shall be max. 8'</p>  <p>36" fabric buried 12 inches in a 4" wide x 8" deep trench and backfilled with compacted soil Direction of flow</p>

ONE AND TWO FAMILY DWELLINGS  
& RESIDENTIAL ACCESSORY STRUCTURES



LINCOLN COUNTY, NORTH CAROLINA  
ZONING PERMIT CHECKLIST

<input type="checkbox"/> SINGLE FAMILY	<input type="checkbox"/> TWO FAMILY	<input type="checkbox"/> MANUFACTURED HOME	<input type="checkbox"/> POOL	<u>PARCEL ID</u>	<u>PERMIT #</u>	<u>STAFF</u>
<input type="checkbox"/> ADDITION	<input type="checkbox"/> GRADING	<input type="checkbox"/> ACCESSORY BUILDING	<input type="checkbox"/> DEMOLITION			
<b>OWNER</b> ADDRESS _____ CITY _____ STATE _____ ZIP _____ PHONE _____				<b>CONTRACTOR</b> ADDRESS _____ CITY _____ STATE _____ ZIP _____ PHONE _____		
<b>PROPERTY LOCATION</b> (Subdivision & Lot # or Address)						
<b>MANUFACTURED HOMES</b> Currently set up in Lincoln County? <input type="checkbox"/> YES <input type="checkbox"/> NO MANUFACTURER _____ SIZE _____ YEAR _____ CLASS: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/>				<b>LIVING SPACE</b> Will the accessory structure have a bedroom? <input type="checkbox"/> YES <input type="checkbox"/> NO Will the accessory structure have a range? <input type="checkbox"/> YES <input type="checkbox"/> NO		
<b>PRINCIPAL STRUCTURE</b> <b>PROPOSED / REQUIRED SETBACKS</b> FRONT _____ / _____ RIGHT SIDE _____ / _____ LEFT SIDE _____ / _____ REAR _____ / _____ WIDTH @ BUILDING LINE _____ HEIGHT _____ / _____ LOT SIZE _____				<b>ACCESSORY STRUCTURE</b> <b>PROPOSED / REQUIRED SETBACKS</b> SIZE _____ / _____ EXISTING _____ FRONT _____ / _____ PROPOSED _____ RIGHT SIDE _____ / _____ TOTAL _____ LEFT SIDE _____ / _____ MAXIMUM _____ REAR _____ / _____ HEIGHT _____ / _____ LOT SIZE _____		
ZONING _____ PLAT YES <input type="checkbox"/> NO <input type="checkbox"/> DRAINAGE EASEMENT YES <input type="checkbox"/> NO <input type="checkbox"/> R/W Width _____						
<b>SPECIAL FLOOD HAZARD AREA:</b> YES <input type="checkbox"/> NO <input type="checkbox"/> PANEL # 3710 _____ ZONE _____ Flood Admin. _____				<b>VOLUNTARY AGRICULTURAL DISTRICT</b> Is the subject property within 2000' of a Voluntary Agricultural District? <input type="checkbox"/> YES <input type="checkbox"/> NO		
<b>STREAMSIDE BUFFER</b> Does the parcel lie within 50' of a stream? <input type="checkbox"/> YES <input type="checkbox"/> NO				<b>UTILITIES</b> <input type="checkbox"/> SEPTIC <input type="checkbox"/> WELL EH Authorization to Construct <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> PUBLIC SEWER <input type="checkbox"/> PUBLIC WATER FEES <input type="checkbox"/> PAID <input type="checkbox"/> DEFERRED		
<b>WATERSUPPLY WATERSHED</b> NAME _____ CLASS: <input type="checkbox"/> II-C <input type="checkbox"/> II-P <input type="checkbox"/> III-P <input type="checkbox"/> IV-C <input type="checkbox"/> IV-P MAX IMPERVIOUS ALLOWED _____ Qualifier Signature <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A Workers Comp <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A				<b>Erosion &amp; Sediment Control Form</b> <input type="checkbox"/> YES <input type="checkbox"/> NO <b>Lien Form</b> <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <b>Owner Exemption Form</b> <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <b>Site Plan</b> <input type="checkbox"/> YES <input type="checkbox"/> NO <b>City Zoning</b> <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A		
<i>I certify that I have read the foregoing statement and that I accept responsibility for this project including any penalties assessed. I understand that all work is subject to inspection or testing and the inspector's discretion and the field inspector has final authority. I further understand that it is my responsibility to meet all land use regulations and conditions applicable to this permit. I have also completed a zoning site plan attached to this application. I also agree to allow employees of Lincoln County to enter this property during reasonable hours for the purpose of making zoning and building inspections. This permit shall expire unless the work authorized by it shall have commenced within six months of its issuance, or if work authorized by it is discontinued for a period of one year or more.</i>						
<b>APPLICANT SIGNATURE</b> _____				<b>DATE</b> _____		
<b>Label Here</b>						

8. Access gates shall comply with the requirements of Items 1 through 7, and shall be equipped to accommodate a locking device. Pedestrian access gates shall open outward away from the pool and shall be self-closing and have a self-latching device. Gates other than pedestrian access gates shall have a self-latching device. Where the release mechanism of the self-latching device is located less than 54 inches (1372 mm) from the bottom of the gate, the release mechanism and openings shall comply with the following:

- 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

- The gate and barrier shall have no opening larger than 1/2 inch (13 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:

- The pool shall be equipped with a powered safety cover in compliance with ASTM F 1346; or

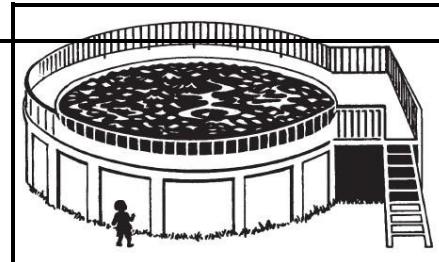


- Doors with direct access to the pool through that wall shall be equipped with an alarm which produces an audible warning when the door and/or its screen, if present, are opened. The alarm shall be listed in accordance with UL 2017. The audible alarm shall activate within 7 seconds and sound continuously 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.

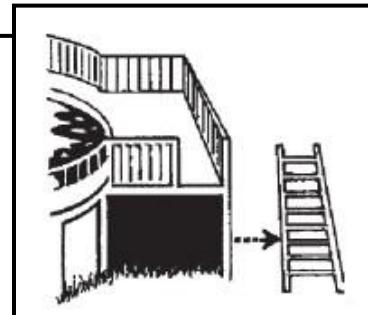
being heard throughout the house during normal household activities. The alarm shall automatically reset under all conditions. The alarm system shall be equipped with a manual means, such as touch pad or switch, to temporarily deactivate the alarm for a single opening. Deactivation shall last for not more than 15 seconds. The deactivation switch(es) shall be located at least 54 inches (1372 mm) above the threshold of the door.



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:



- The ladder or steps shall be capable of being secured, locked or removed to prevent access; or



- The ladder or steps shall be surrounded by a barrier which meets the requirements of 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.



**Remember:**

A successful pool barrier prevents a child from getting **OVER, UNDER, or THROUGH** and keeps the child from gaining access to the pool except when supervising adults are present.

## Barrier Requirements for One & Two Family Dwelling Swimming Pools

**SWIMMING POOL.** 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.



**Lincoln County**  
**Planning & Inspections**  
**Department**

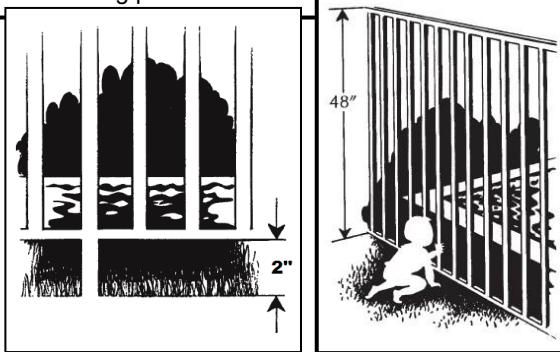


115 W Main Street, Lincolnton, NC 28092

704-736-8440 (Office)

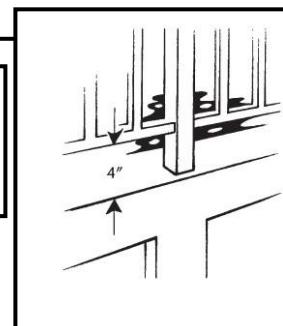
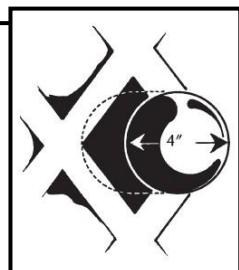
**Outdoor swimming pool.** An outdoor swimming pool, including an in-ground, above-ground or on-ground pool, hot tub or spa shall be surrounded by a barrier which shall comply with the following:

1. The top of the barrier shall be at least 48 inches (1219 mm) above grade measured on the side of the barrier which faces away from the swimming pool. The maximum vertical clearance between grade and the bottom of the barrier shall be 2 inches (51 mm) measured on the side of the barrier which faces away from the swimming pool.

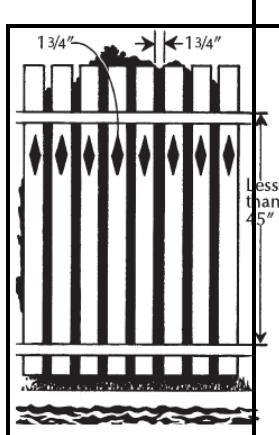
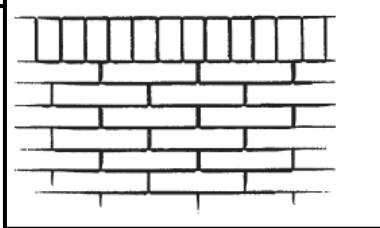


Where the top of the pool structure is above grade, such as an above-ground pool, the barrier may be at ground level, such as the pool structure, or mounted on top of the pool structure. Where the barrier is mounted on top of the pool structure, the maximum vertical clearance between the top of the pool structure and the bottom of the barrier shall be 4 inches (102 mm).

2. Openings in the barrier shall not allow passage of a 4-inch-diameter (102 mm) sphere.

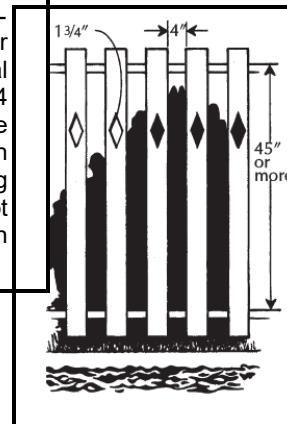


3. Solid barriers which do not have openings, such as a masonry or stone wall, shall not contain indentations or protrusions except for normal construction tolerances and tooled masonry joints.

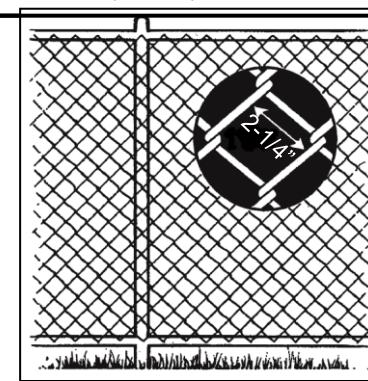


4. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is less than 45 inches (1143 mm), the horizontal members shall be located on the swimming pool side of the fence. Spacing between vertical members shall not exceed 1-3/4 inches (44 mm) in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1-3/4 inches (44 mm) in width.

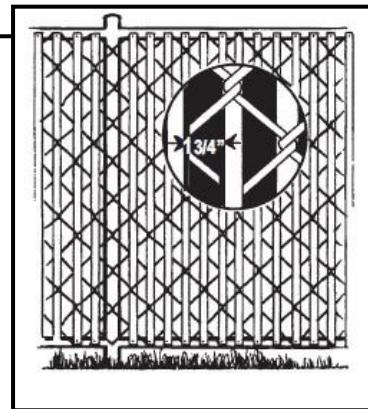
5. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is 45 inches (1143 mm) or more, spacing between vertical members shall not exceed 4 inches (102 mm). Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 13/4 inches (44 mm) in width.



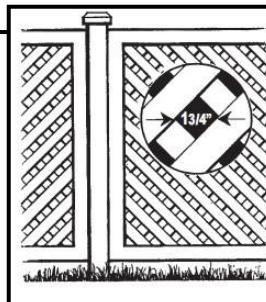
6. Maximum mesh size for chain link fences shall be a 2-1/4-inch (57 mm) square unless;



the fence has slats fastened at the top or the bottom which reduce the openings to not more than 1-3/4 inches (44 mm).



7. Where the barrier is composed of diagonal members, such as a lattice fence, the maximum opening formed by the diagonal members shall not be more than 13/4 inches (44 mm).





## What is Entrapment?

Entrapment occurs when someone becomes stuck to a drain or suction fitting in a pool or spa, either from water suction, or from getting stuck in an opening—even if the pumps are turned off. It is a serious potential hazard, particularly for children, who are too small to break away.

## How can I prevent it?

- Have your pool or spa inspected by a licensed industry professional. He can tell you if there's anything else you need to do.
- If your pool or spa has a missing, broken, or just old drain cover, have it replaced with one that is up-to-date and compliant with the new ANSI/APSP test standard.
- Never let anyone swim alone, especially a child. A responsible adult should always be either right with the child, or actively watching.
- Never run your pump at higher speeds than the recommended maximum. High water velocity can contribute to suction entrapment.
- Make sure your pool or spa is protected with locked doors and/or gates to keep out small children and animals when you're not there.
- Make sure the emergency shut-off switch is clearly marked by a permanent sign, easily visible in the pool or spa area, so that anyone can find and use it within seconds.
- Don't let anyone swim or play near drains and suction fittings. It's fun to feel the suction at a main drain—but it can be fatal.

## The 2008 Virginia Graeme Baker (VGB) Pool and Spa Safety Act

The VGB Act was passed by Congress with the support of the APSP and its members. The Act imposes requirements for all drain covers, and requires retrofitting of all public pools and spas. The Act also encourages each state to adopt entrapment avoidance laws for residential pools and spas, and barrier requirements to prevent drowning.

## The Standards on Protection

Use these two standards to protect your customers from the risk of entrapment:

*ANSI/APSP/ICC-7 Standard for Entrapment Avoidance*

*ANSI/APSP-16 Standard for Suction Fittings*



For more information, visit [www.APSP.org](http://www.APSP.org).

Also, read the U.S. Consumer Product Safety Commission entrapment guidelines at [www.cpsc.gov/cpscpub/pubs/363.pdf](http://www.cpsc.gov/cpscpub/pubs/363.pdf).



Courtesy of Michael Vleach



**Keep your pool, spa, portable spa\* or hot tub free from entrapment risk**



*The Association of  
Pool & Spa Professionals®*

2111 Eisenhower Avenue  
Alexandria VA 22314

[www.APSP.org](http://www.APSP.org)



## Avoid Entrapment! Always follow these important rules:

- Never enter—and never let anyone enter—a pool or spa with a loose, broken, or missing suction fitting or drain cover.
- Never play or swim near drains or suction fittings—and never let children do it. If a drain cover is not compliant with the new standards, or is loose or broken, bodies or hair can be trapped, causing permanent injury or drowning.
- Immediately notify the owner or operator of a pool or spa if you see a loose, broken, or missing drain cover. The pool or spa should be closed immediately, and an industry professional should make the necessary repair or replacement.



Example of a **non-compliant** cover

## There are **5 kinds** of entrapment:



- Hair entrapment:** Hair can become entangled or knotted in an outlet cover.
- Limb entrapment:** Arms or legs can get stuck in an outlet with a missing or broken cover, even when the pumps are turned off.
- Body entrapment:** Any part of the body that covers an outlet cover can be held down by the suction.
- Evisceration:** Sitting on an unprotected sumpor an outlet with a broken or missing cover can cause injuries or disembowelment.
- Mechanical entrapment:** Fingers, toes, and items such as jewelry or a bathing suit can become entangled and stuck in a non-compliant drain or cover, even when the pumps are turned off.

### There is no backup in the marketplace today for a missing or broken drain cover that will protect against all five suction entrapment hazards.

You will need to decide what works best for your new or existing pool or spa—whether it's multiple drains, a single "unlockable" main drain, a safety vacuum release system, an equalizer line, or any of several solutions.

Make sure your builder and service professional know about the *ANSI/APSP-7* and *ANSI/APSP/ICC-16* standards (see back panel), and will build and service your pool to meet them.

## Take these steps to keep your pool, spa, portable spa\* or hot tub safe and free from entrapment risk:

- Have your pool or spa inspected by an industry professional.
- Replace any broken, missing or non-compliant outlet covers with a cover marked: **VGB2008**, and/or **Conforms to ANSI/APSP/ICC-16**.

New, anti-entrapment outlet covers are available and, according to federal law, must be used in all commercial pools. They are usually domed, not flat, and have openings that keep out fingers and prevent hair entanglement. Compliant outlet covers state, right on the cover, where they can be mounted, the maximum flow rates they can handle, and when they must be replaced.



Examples of compliant covers

- If your home pool or spa has a **only one main drain**, it is strongly recommended that you use an approved anti-entrapment cover, and also do one or more of the following:
  - eliminate the drain or reverse the flow
  - add a second, properly spaced outlet (drain)
  - install an SVRS (safety vacuum release system)
  - install an automatic pump shut-off system
  - install a suction limiting vent system
  - add a gravity drainage system.

\* Portable factory-built electric spas/hot tubs that conform to UL1563 shall be deemed to be in compliance with these guidelines.