



## Health and Human Services Department Placer County Environmental Health

### REPLASTERING AND RESURFACING REQUIREMENTS

*When a pool or spa is re-plastered or re-surfaced such as patching & repairing ONLY, plan review is not usually required (unless additional work will be done at the same time, such as replacing suction covers, handrails, tile lines, splitting the main drains or equalizer lines, plugging up equalizer lines and installing autofil, etc...) however, a scope of work should be submitted to Placer County Environmental Health for review.*

***Pre and Final replaster inspections will be required.***

### **The following requirements can be found in the California Health and Safety Code (H&S section 116025) and California Code of Regulations Title 22 & 24:**

- 1. Swimming pool shells shall be white in color** except: the lane and other pool markings; top surface edges of benches in spa pool; the edge of pool steps; tiles at the water line; and tiles installed at the 4 ½ feet depth line. **Spa pools may be light pastel color when approved by the enforcing agent.** All materials must be submitted to Environmental Health for approval. (Section 3108B.3)
- 2. When a pool greater than five feet in depth is re-plastered or resurfaced, it is required to have a Depth Marking Line (or belly band),** a straight line of slip resistant tile with a minimum of 4 inches and not greater than 6 inches wide of a color contrasting with the background of the pool shell **across the bottom of the pool where the water depth is 4 ½ feet.** (Section 3110B.3)
- 3. Stair risers shall be uniform in height** (*min 6 inches up to max 12 inches*), each **step tread** shall be (*min 12 inches up to max 16 inches*) except the **top step tread** (*min 14 inches up to max 18 inches for standard or regular type; min 21 inches up to max of 24 inches for triangular, concave or convex type*), and the minimum width of the stair shall be 24 inches. **Spa bench tread shall be min 12 inches to maximum 24 inches.**
- 4. A hand railing** must be provided over all stairs extending from the deck to the bottom step tread (minimum distance of the handrails to the edge of the riser shall be 3 inches). The height of the railing shall be **min 28 inches up to max 36 inches** above the deck and each step tread. (Sec 3111B.3). **Minimum two handrails are required for spa.**
- 5. Depth markers shall be provided** at the following locations: maximum depth; minimum depth; each end; both sides of each end; at the break in the bottom slope between the shallow and deep portions of the pool; and along the perimeter of the pool at distance not to exceed 25 feet. **Spas and wading pool must have a minimum of two depth markers indicating the maximum depth.** Water depth is measured from the floor of the pool to the middle of the waterline. Markers minimum size is 4 inches, must be slip resistant and of contrasting color, and made of durable material that is resistant to weathering. The depth markers should be followed by the abbreviation "FT" and "IN". (Section 3110B.4)

*Note: Depth markers shall be positioned to indicate the water depth accurate to the nearest six inches as measured at the waterline.*

6. For pool water depths 6 feet and shallower, **No Diving Markers** with the universal symbol of no diving, which is a red circle with a slash through it superimposed over the image of a diver, shall be installed on the deck directly adjacent to the depth markers. (Sec 3110B.5)
7. If the pool has a **break in slope** from the shallow to deep water, flush mounted devices for fastening **safety rope and buoys are required** where the water depth is 4 ½ feet.
8. Pool shell shall **not have projections or recessed areas** except for pool inlets and outlets. This does not apply to handholds, recessed steps, ladders, stairs, benches, handrails, skimmers or perimeter overflow systems (Section 3108B.4 & 3137B)
9. **When a pool is drained** (*Note: emptying a pool in high water table area can place the pool shell under stress that can fracture or collapse the pool walls or cause enough force to lift the pool from the ground, hence consult with qualified professional prior to emptying your pool*), it is a **good time to check and repair/replace the pool lighting and install approved drain covers** or anti entrapment devices or systems that comply with ASME/ANSI-16 performance standard or the most current (Section 3162) A112.19.8 as in effect Dec. 31, 2009. SVRS must conform to ASME/ANSI A112.19.17 as in effect on Dec. 31, 2009.  
*NOTE: Make sure to submit specification sheets or cut sheets for the drain covers that you are planning to use together with VGBA Plan Review Application and fees (one hour rate). We will need to make sure that the designed flow rates of the covers will work with the pool pump flow rates, and also check the life span of the covers. Most covers will need to be replaced every 5 years (varies from 3 to 10 years) according to the manufacturers specifications. After the new covers are installed, submit the California Department of Public Health Anti-entrapment Form(s) so we can update your pool file(s).*
10. A minimum continuous and unobstructed **4-foot wide, slip resistant, cleanable, non-abrasive deck area** of concrete or like material shall be provided. (Section 3114B.1)
11. **Coping** that is being replaced must extend over the pool wall **1 to 2 inches** and **shall not exceed 2 1/2 inches in thickness**. (Section 3112B.3)
12. The pool's **deck** surface shall have a **slope of no less than 1 percent (1/8 inch per ft.) but no more than 2 percent (1/4 inch per ft.)** away from the pool to a deck drainage system and shall be constructed and finished to prevent standing water (Section 3114B.2)
13. Effective January 1, 2014, **equalizer line(s)** connected to the skimmer shall not be required for new construction, if there is an automatic fill system in the pool.  
If used, the equalizer suction outlets shall be connected to at least two suction grate assemblies that meet ANSI/APSP-16 2011 performance standard and are located at least 3 feet apart in any dimension between the suction outlets. (Section 3136B.1)  
*NOTE: existing equalizer line(s) can be abandoned by plastering over or plugging up the line(s) so no standing water will remain in the line(s) as long as the pool has an autofill*

*Pursuant to the California Code of Regulations (CCR) Title 22 Section 65505 and Title 24 Section 3103B, a person proposing to construct, renovate or alter a pool, ancillary facilities (which include any area used in conjunction with or for the operation of a pool such as public dressing rooms, lockers, shower or bathroom areas, drinking fountains, equipment room, pool deck area, pool enclosure or building space that is intended to be used by pool users), or equipment (pumps, filters, chlorinators, covers, etc...) and appurtenances shall submit plans and specifications detailing compliance with this chapter to the Enforcing Agent for review and written approval prior to commencing construction .*

*Plan Review Application Forms and Fees for Recreational Health Facility are available on our website @ <http://www.placer.ca.gov/departments/environmental-health/permits-forms-fees>. Make sure to fill out the form as completely as possible, pay the appropriate fees and attached specification or cut sheets for the type of finishes, types of covers, handrails, equipment, etc... If you have any questions or concerns, please contact the appropriate EH office @ 530-745-2300, fax 530-745-2370 in Auburn or 530-581-6240 fax 530-581-6242 in Tahoe.*