Swimming Pool Plan Review Check Sheet

NEW YORK STATE DEPARTMENT OF HEALTH
Division of Environmental Protection

Review of Compliance with Design Standard
Subpart 6-1, NYS Sanitary Code

Name of Pool	Location (town, village, city)	County

Check One ☐ New Pool ☐ Change to an Existing Pool

Type of Pool ☐ Indoor ☐ Outdoor

(Check as applicable) ☐ White Water Slide ☐ Pool ☐ Wave Pool ☐ Spa ☐ Movable Bottom Pool ☐ Wading Pool ☐ Special Purpose Pool ☐ Other (specify) _____

Pool Size _____ x _____ , Area _____ sq. ft. Pool Capacity _____ gallons

Code Section 6-1.29	Description	Yes	No	N.A.	Comments
2.1	1. Plan Submission				
2.1	a. Plan submission complete (application, plans, specifications, eng. report) b. Plans are readable, stamped, signed and dated by Professional Engineer or Registered Architect				
	2. Patron Use				
3.2.1 3.2.2 3.2.4	Maximum number of bathers permitted a. Shallow area ÷ 15 = _____ b. (Deep area - 300 x no. of boards) ÷ 25 = _____ Add (a+b) = Total _____ c. Spa bather load Spa area ÷ 10 =				
4.0	3. Construction Material				
4.1 4.2	a. Inert, nontoxic, watertight and enduring b. Rounded corners at wall and floor intersection Pool surface light in color, smooth and easily cleanable				
5.3	4. Bottom Slope				
5.3 5.6	a. Bottom slope 1:12 in shallow end b. 1:3 in shallow to deep end				
5.6	5. Diving Areas				
5.6 5.6.3	a. Meets all requirements for depths, board length, diving envelope and clearances b. Handrails provided at all steps and ladders leading to diving boards one meter or above the water				
5.7	6. Deck slides located at water depth not less than 4 feet				
5.8	7. Acceptable location and design of ladders, recessed steps and handrails				
5.9	8. Deck and drains				
5.9 5.9 5.9.1 5.9.2 5.9.2 5.9.7	a. Five feet continuous deck around pool b. Impervious nonslip surface (no carpeting) c. Deck drainage slope at least 1/4 inch foot d. Drain spacing, location is acceptable e. Protection against back siphonage f. Adequate separation between food and deck areas				

Code Section	Description	Yes	No	N.A.	Comments
5.10	9. Fencing				
5.10.1	a. Opening in fence acceptable				
5.10.1	b. 4 foot minimum height				
5.10.4	c. No external handholds or footholds				
5.10.6	d. Self-closing and positive self-latching lockable gates				
5.10.6	e. Latch location				
6.1	10. Depth Markings				
6.1.1	a. Depth markings at wall or deck, spaced not more than 25 feet, at 2 foot increments of depth, maximum, minimum point, break point				
6.1.2	b. Numeral height 4 inches or more				
6.1.2	c. Color contrasting with background				
5.4	d. Floatline at 5 feet breakpoint				
5.4	e. 4 inch stripe of contrasting color at breakpoint or 5 foot depth				
5.4	f. On steps or underwater ledges				
6.2	11. Lifeguard chairs				
	Lifeguard chairs are adequate and location is acceptable				
6.3	12. Life Saving Equipment				
	Provided (min. 2 units of (a) & (b) below) Check those provided				
6.3.2	a. Torpedo buoy ☐, rescue tube with a 6 foot line ☐, ring buoy at least 18 inches in diameter, fitted with 1/4 inch diameter line with a length of 1.5 times the maximum width of pool or 50 feet, whichever is less.☐				
6.3.2	b. One reaching pole 15 feet long ☐				
6.4	c. Commercially available first aid kit ☐				
6.4	d. Spine board ☐				
6.4	e. Pocket mask ☐				
6.5	f. First aid room ☐				
7.0	13. Lighting, Electrical, Ventilation				
7.2.1	a. Wiring conforms to National Electrical Code				
7.2.1	b. Pool and metal fixtures properly bonded				
7.2.1.1	c. No overhead electrical wiring within 20 feet				
7.2.2	d. Ground fault interrupters provided				
7.1.1	e. Indoor pool - illumination over pool 50 foot candles, or with underwater lights, 30 foot candles				
7.3.1	f. Ventilation - two air changes per hour provided				
	14. Interconnections				
8.3	a. Minimum 6 inches air gap provided on fill pipe				
8.2	b. Approved backflow preventer installed on discharge side of last control valve fixture, device or appurtenance				
8.1	c. Water supply meets Part 5 of Code				
8.5	d. Backwash disposal is thru air gap				
8.5	e. Air gap provided between drain discharge and sewer				

Code Section	Description	Yes	No	N.A.	Comments
	15. Turnover and Piping				
9.0	a. Turnover rate is acceptable				
9.2.2	b. Suction line velocity is less than 6 ft./sec.				
9.2.2	c. Pressure lines velocity is less than 10 ft./sec.				
9.2.2	d. Piping details shown on plans				
9.4	e. Piping color coded				
9.5	16. Overflow System				
9.5.1	a. Gutters provided on (pools greater than 1,600 sq. ft.)				
9.5.1.1	b. Capable of removing 100% of recirculation rate				
9.5.1.3	c. Surge capacity acceptable				
9.5.2.4	d. NSF listed skimmers with equalizer lines provided				
9.5.2.1 & 9.5.2.2	e. Location and number of skimmers is acceptable				
	17. Main Drains				
	a. Minimum two drains provided; each designed to carry 100% of the recirculation flow				
9.6	b. Main drain(s) location is acceptable				
9.6.2	c. Suction velocity thru grate is less than 1.5 ft./sec.				
	18. Pumps				
9.7.2	a. Make and model #, H.P. _____ Capacity _____ , @ Head _____ft.				
2.2.7	b. Pump curves and head loss calculations				
9.7.2	c. Pressure gauges provided				
9.8	19. Flow Measurement and Control				
9.8.1	a. Flow meter acceptable				
9.8.1	b. Location of flow meter in straight run of pipe				
9.8.1	c. Rate of flow controllers provided				
9.9	20. Inlets				
9.9.1	a. Placement and spacing acceptable				
9.9.3	b. Adjustable for direction and flow				
9.9.3	c. Flush with pool wall or floor				
10.0	21. Filtration				
	Filters meet standards of acceptability for: a. Type _____ , Make _____, Model _____, Area _____ b. NSF Listed c. Filtration rate _____ d. Back wash rate _____ e. Pressure gauges				

Code Section	Description	Yes	No	N.A.	Comments
11.0	22. Disinfection				
	Meets standards of acceptability for:				
11.3 & 11.4	a. Chlorinator/brominator Number _____ , Type _____ , Make _____ , Capacity _____, Max Dosage _____ , NSF Listed _____				
11.5	b. Chemical Feeder Type _____ , Make _____ , Model _____ , Capacity _____ , Max Dosage _____ , NSF Listed _____				
11.3.2	c. Chemical storage, labeling				
11.2.1	d. Gas chlorine room location, cylinder storage, ventilation, air intake, SCBA, fan switch location acceptable				
11.5.1	e. OGE installed along with chlorine or bromine				
	f. OGE design is acceptable				
	g. Means to control off-gassing provided				
11.5.1.2	h. Corona discharge OGE uses vacuum system				
11.5.1.3	i. Backflow prevention provided for OGE				
11.6	j. Recirculation pipe length adequate to provide 5 second contact time				
11.6.1	k. CO2 equipment room location, cylinder storage, ventilation, air intake acceptable				
11.7	l. Automatic deactivation device provided				
11.8	m. Test kit provided				
12.3	23. Bathhouse				
	Meets standards of acceptability for:				
12.1	a. Dressing rooms				
12.4	b. Toilet facilities				
12.5	c. Showers				
14.0	24. Spas				
14.3	a. Acceptable design at steps and handrails				
14.7.2	b. Alarm system, thermostat control				
14.13	c. Warning sign				
14.11	d. Acceptable design of air induction system				
15.0	25. Special Purpose Pools				
15.3.1	a. Handicap access				
15.1.1	b. Water slides, plunge pool min. operating depth >3 feet				
15.1.2.1	c. Distance between sides of adjacent flume terminuses is 6 feet or greater				
15.1.2.1	d. Distance between side of flume and end wall is 5 feet or greater				
15.4.3	e. Movable bottom pool clearly lit and visible, depth sign provided				
15.2.1	f. Wave pools - turnover rate is acceptable				
15.6	26. Starting Blocks				
	a. Meets recognized competition design standards b. Installed over a minimum water depth of 6 feet				

Completed by _____

name

signature

_____

date