

Hendricks County Health Department



Environmental Health

355 South Washington Street #210
Danville, IN 46122
Phone (317) 745-9217
Fax (317) 745-9218

Nursing

355 South Washington Street #211
Danville, IN 46122
Phone (317) 745-9222
Fax (317) 745-9383

Public Health
Prevent. Promote. Protect.

March 15, 2011

Dear Pool Owner or Operator:

Congratulations on your decision to open a new pool in Hendricks County. This packet of information includes copies of the following: Plan Review and Permit Applications, the Indiana State Department of Health Swimming Pool Rule (410 IAC 6-2.1), the Hendricks County Public Pool and Spa Ordinance, and additional information to assist you in compliance with the pool permit requirements. Additional information and applications can also be found at:

www.co.hendricks.in.us/health_pool_spa.html

Prior to opening your pool, you must obtain a valid permit from this office. A permit may be issued only after all of the following are received:

- Completed Plan Review Application,
 - Completed Permit Application for each pool or spa,
 - Permit fee paid for each pool or spa,
 - A current satisfactory water sample result for each pool or spa, and
 - A satisfactory written inspection of your facility by the Health Department.
- During the pre-opening inspection you must demonstrate compliance with all requirements, including proper water chemistry, safety equipment, and correct signage.

We appreciate your efforts to protect the health and safety of those attending your facility. A Hendricks County Environmental Health Specialist will be available to perform a pre-opening inspection in order to discover any potential problems. If you have any questions, please contact the Health Department at (317) 745-9217.

Sincerely,

Catherine Grindstaff, Director
Environmental Health

Enclosures



Hendricks County Health Department Pool and Spa Facility Application



Please answer all of the following questions completely. Should you have any questions, please contact the Hendricks County Health Department at (317) 745-9217

Facility Name: _____ **Facility ID#:** _____

Facility Address: _____ **City:** _____

Phone: _____ **E-mail:** _____

Owner Name: _____

Owner Address: _____

Phone: _____ **E-mail:** _____

Operator Name: _____

Phone: _____ **E-mail:** _____

Please list dates of operation of pool: _____

Please list hours of operation of pool: _____

****If new construction****

Date that plans were approved by the Indiana State Department of Health: _____

Projected Start Date: _____ **Completion Date:** _____

Please answer the following questions regarding the entire pool and spa facility

Descriptions 410 IAC 6-2.1		Yes	No	N/A
1.	An elevated lifeguard platform or chair is provided. 410 IAC 6-2.1-35(h) <i>*does not apply to a pool less than 2000 square feet*</i>			
2.	There is separation between spectator/visitor areas and the pool or spa bather area. 410 IAC 6-2.1-39			
3.	A telephone is located within 200 feet of the pool or spa. 410 IAC 6-2.1-34(e)			
4.	A removable buoyed transition line is provided for pools with water depths more than five (5) feet. 410 IAC 6-2.1-34(g)			
5.	Public Water Supply <input type="radio"/> Private Water Supply <input type="radio"/> Municipal Water Supply Source : _____ Water supply is from a source constructed and operated according to law. 410 IAC 6-2.1-27			

6.	A public sewer system is utilized which is adequate to serve the facility, including bathhouse, locker room, and any other related accommodations. 410 IAC 6-2.1-28			
7.	If a public sewage system is not available, sewage is disposed of in accordance to regulations. 410 IAC 6-2.1-28(e)			
8.	A self-contained positive pressure demand breathing apparatus, with air supply tank, is provided for facilities that use gaseous chlorine. 410 IAC 6-2.1-33			
9.	A test kit is provided to accurately determine the concentration of the disinfectants, pH, alkalinity and cyanuric acid. 410 IAC 6-2.1-30(i) <i>*Orthotolidine may not be used as the disinfectant testing reagent*</i>			
10.	A policy has been established for the collection, bacteriological examination, and reporting of at least 1 sample of each pool or spa water per week whenever the facility is open for use. (One satisfactory sample must be obtained prior to opening.) 410 IAC 6-2.1-31			
11.	A lifeguard is present during all hours of the operation. 410 IAC 6-2.1-35 <i>*does not apply to a pool less than 2000 square feet*</i>			
12.	The facility provides a lifeguard orientation and training program annually and when new guards are employed. 410 IAC 6-2.1-35(e) <i>*does not apply to a pool less than 2000 square feet*</i>			
13.	Proper warning and rule signs are posted. 410 IAC 6-2.1-36			
14.	Operating records are logged daily and are available upon request. 410 IAC 6-2.1-38			
15.	A cleaning program is in place for all pool or spa surfaces, toilet rooms, shower rooms, dressing rooms, equipment rooms, decks and spectator areas. 410 IAC 6-2.1-29(g), Hendricks County Ordinance 2003-27, Section IV (B)			
16.	All multiuse suits and towels furnished to bathers are properly laundered and kept separated from those which have been used and are unlaundered. 410 IAC 6-2.1-41			
17.	Pool water is tested for the following: pH and disinfectant residuals twice daily. Total alkalinity and Cyanuric acid once a week. Combined chlorine twice a week 410 IAC 6-2.1-30(o)			
18.	All chemicals and items in the chemical storage room stored six (6) inches above the floor. 410 IAC 6-2.1-33(b)			
19.	Please note the number of the following required lifesaving and safety equipment: 410 IAC 6-2.1-34 (a), (b), and (d)	Total on Site:		
a.	Ring or throwing buoy with rope (width of pool or not to exceed 45 ft.)			
b.	Life pole or shepherd's crook, with blunted ends and at least 12 feet long			
d.	Spine board with straps and head immobilizer			
e.	First aid kit and two blankets, which is available at all times			

Please answer the following questions regarding each pool

Pool Name: _____		Yes	No	N/A
Filter Type: _____ Disinfectant Used: _____				
Chemical used for pH control: _____				
1.	Does the pool have an area of more than 2,000 square feet? The actual square footage is _____			
2.	Inner and Outer depth markings are provided. 410 IAC 6-2.1-34(f)			

3.	The recirculation system is designed to maintain and measure the proper turnover rate. 410 IAC 6-2.1-32			
4.	All portions of the water distribution system and drains serving the pool or auxiliary facilities are protected against backflow and backsiphonage. 410 IAC 6-2.1-27(i)			
5.	All sumps, deck drainage systems, and other drainage fixtures or systems are properly trapped and vented to prevent sewer gases and odors from reaching the pool area. 410 IAC 6-2.1-28(d)			
6.	The pool is continuously and automatically disinfected with a chemical that imparts an easily measured, free residual. 410 IAC 6-2.1-30(a)			

If applicable please answer the following questions regarding Spa / Wader

Spa / Wader Name: _____		Yes	No	N/A
Filter Type: _____	Disinfectant Used: _____			
Chemical used for pH control: _____				
1.	The recirculation system is designed to maintain and measure the proper turnover rate. 410 IAC 6-2.1-32			
2.	All sumps, deck drainage systems, and other drainage fixtures or systems are properly trapped and vented to prevent sewer gases and odors from reaching the pool area. 410 IAC 6-2.1-28(d)			
3.	All portions of the water distribution system and drains serving the spa or auxiliary facilities are protected against backflow and backsiphonage. 410 IAC 6-2.1-27(i)			
4.	The spa / wader is continuously and automatically disinfected with a chemical that imparts an easily measured, free residual. 410 IAC 6-2.1-30(a)			
5.	A thermostatic control for the spa water temperature is provided. 410 IAC 6-2.1-31(b)			
6.	The spa is continuously and automatically disinfected with a chemical that imparts an easily measured, free residual. 410 IAC 6-2.1-30(a)			

STATEMENT: I hereby certify that the above information is correct, and I fully understand that any deviation from the above without permission from the Hendricks County Health Department may nullify final permit approval.

The Hendricks County Health Department does not guarantee these plans and specifications comply with all applicable state or local regulations.

Signature(s)

Date

Phone

Owner(s) or responsible Representative(s)



Hendricks County Annual Public Pool and Spa Permit Application



Send completed application with payment to the Hendricks County Health Department,
355 South Washington St. #210, Danville, IN 46122.
If you have any questions, contact an Environmental Health Specialist at (317) 745-9217.

Annual permit for public pool – Outdoor (first per location)	\$125 permit fee
Annual permit for public pool – Indoor (first per location)	\$125 permit fee
Annual permit for second public pool (same location/owner)	\$ 75 permit fee

Pool & Spa Information

Facility Name: _____

Facility Address: _____

Phone: _____ Fax: _____

Owner Information

Owner Name: _____

Owner Address: _____

Phone: _____ E-mail: _____

Operator Information

Operator Name: _____

Phone: _____ E-mail: _____

Please list dates and hours of operation: _____

Please note pool permits are non-transferable. Permit issued applies only to the above owner. A new permit must be obtained whenever there is a change in ownership. The pool permit issued applies only to the above-specified establishment and cannot be used to cover a different establishment or location.

1. Has the pool been remodeled or have operations of the pool changed in the past year?
 Yes No

If yes, please describe _____

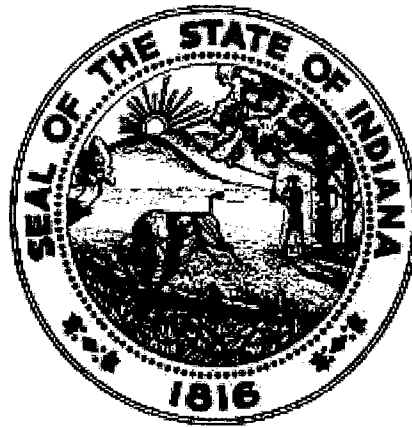
I, the undersigned, do now affirm under penalties of Perjury that the foregoing information and/or representations are true and that each facility will meet State and local requirements of the Health Department of Hendricks County, Indiana.

Signature: _____ Date: _____
(Owner or responsible representative)

For office use only: Receipt # _____ Receipt Amount \$ _____ Date Payment Received: _____

Public and Semi-Public Swimming Pools Rule

410 IAC 6-2.1



**Indiana State Department of Health
Environmental Public Health Division
2 N. Meridian St., 5-E
Indianapolis, IN 46204**

Revision Effective: August 26, 2010

Rule 2.1. Public and Semi-Public Pools

410 IAC 6-2.1-1 Applicability

Sec. 1. The definitions in this rule apply throughout this rule.

410 IAC 6-2.1-2 "Air gap" defined

Sec. 2. "Air gap":

- (1) means the unobstructed vertical distance through atmosphere between the water supply inlet and the flood level rim of the receiving unit; and
- (2) is at least two (2) times the diameter of the water supply outlet or pipe or six (6) inches, whichever is the smaller distance.

410 IAC 6-2.1-3 "Bather load" defined

Sec. 3. "Bather load" means the total number of bathers within the pool enclosure.

410 IAC 6-2.1-4 "Breakpoint chlorination" defined

Sec. 4. "Breakpoint chlorination" means the point in a rising chlorine residual at which the concentration of available chlorine becomes great enough to completely oxidize all organic matter and ammonia compounds (combined chlorine) in a pool.

410 IAC 6-2.1-5 "Competition pool" defined

Sec. 5. "Competition pool" means any pool intended for use for accredited competitive aquatic events. Competition pools may also be used for recreation and instruction.

410 IAC 6-2.1-5.3 "CT inactivation value" defined

Sec. 5.3. "CT inactivation value" means the concentration (C) of free chlorine in ppm (or mg/L) multiplied by time (T) in minutes at a specific pH and temperature.

410 IAC 6-2.1-5.6 "Deep areas" defined

Sec. 5.6. "Deep areas" means areas of the pool exceeding five (5) feet in depth.

410 IAC 6-2.1-6 "Department" defined

Sec. 6. "Department" means the Indiana state department of health.

410 IAC 6-2.1-7 "Diving pool" defined

Sec. 7. "Diving pool" means any pool that is designed and constructed primarily for diving and does not have a shallow end.

410 IAC 6-2.1-7.3 "Full stomach vomit" defined

Sec. 7.3. "Full stomach vomit" for the purpose of this rule shall mean the emptying of all of the stomach's contents as a result of an illness as opposed to vomit from swallowing too much water, overexertion, or play.

410 IAC 6-2.1-7.5 "Maximum bather load" defined

Sec. 7.5. "Maximum bather load" means the maximum usage of the pool calculated based on the following, whichever is applicable:

	Shallow or wading areas (A)	Deep areas, not including diving areas (B)	Diving areas (per board) (C)
If the deck is less than the surface area of the pool	15 sq. ft. of pool surface area per bather	20 sq. ft. of pool surface per bather	300 sq. ft. of pool surface area per bather
If the deck is equal to or larger than the surface area of the pool	12 sq. ft. of pool surface area per bather	15 sq. ft. of pool surface per bather	300 sq. ft. of pool surface per bather
If the deck is twice the surface area of the pool	8 sq. ft. of pool surface per bather	10 sq. ft. of pool surface per bather	300 sq. ft. of pool surface area per bather

A+B+C= Maximum bather load. If the diving board(s) is closed, an additional 10 bathers are permitted.

410 IAC 6-2.1-8 "mg/l" defined (Repealed)

Sec. 8. (Repealed by Indiana State Department of Health)

410 IAC 6-2.1-9 "Person" defined

Sec. 9. "Person" means:

- (1) any individual, firm, partnership, company, corporation, trustee, association, municipality, county, authority, estate, or public or private entity; and
- (2) its or their successors, assigns, or agents.

410 IAC 6-2.1-10 "Plunge pool" defined

Sec. 10. "Plunge pool" means a pool located at the exit end of a waterslide flume and is intended and designed to receive sliders emerging the flume.

410 IAC 6-2.1-11 "Pool" defined

Sec. 11. "Pool" means a structure, basin, chamber, or tank containing an artificial body of water for swimming, bathing, competition, relaxation, or recreational use.

410 IAC 6-2.1-12 "Pools with wading areas" defined

Sec. 12. "Pools with wading areas" means any pool that has a portion of the shallow end with a maximum depth of twenty-four (24) inches.

410 IAC 6-2.1-12.5 "ppm" defined

Sec. 12.5. "ppm" means parts per million and is equivalent to milligrams per liter when the medium is water.

410 IAC 6-2.1-13 "Public pool" defined

Sec. 13. "Public pool" means any pool, other than those pools defined as a semi-public pool, which is intended to be used for swimming or bathing and is operated by a concessionaire, owner, lessee, operator, or licensee, regardless of whether a fee is charged for use. Nothing in this article shall be construed as applying to any pool, constructed at a one (1) or two (2) family dwelling, and maintained by an individual for the sole use of the household and house guests.

410 IAC 6-2.1-14 "Public sewer" defined

Sec. 14. "Public sewer" means a sewage disposal facility provided by a utility, municipality, conservancy district, or regional sewer district.

410 IAC 6-2.1-15 "Public water supply" defined

Sec. 15. "Public water supply" means water supplied by a utility, municipality, conservancy district, regional water district, or water corporation.

410 IAC 6-2.1-16 "Sanitary facilities" defined

Sec. 16. "Sanitary facilities" means flush toilets, hand washing lavatories, and showers.

410 IAC 6-2.1-17 "Semi-public pool" defined

Sec. 17. "Semi-public pool" means any pool restricted for use by residents, members, or registered guests that is intended to be used for swimming or bathing and is operated solely for and in conjunction with:

- (1) hotels, motels, apartments, condominiums, bed and breakfasts, tourist homes, or similar facilities associated with lodgings;
- (2) camps or mobile home parks; or
- (3) membership clubs, churches, or associations.

Nothing in this article shall be construed as applying to any pool, constructed at a one (1) or two (2) family dwelling, and maintained by an individual for the sole use of the household and house guests.

410 IAC 6-2.1-17.5 "Shallow areas" defined

Sec. 17.5. "Shallow areas" means those portions of a pool ranging in water depth from two (2) to five (5) feet.

410 IAC 6-2.1-18 "Spa" defined

Sec. 18. "Spa" means a pool designed for recreational or therapeutic, or both, use, commonly known as a hot tub or therapy pool, that is not drained, cleaned, and refilled after each use. The term may include, but is not

limited to:

- (1) hydrojet circulation;
- (2) hot water;
- (3) cold water;
- (4) mineral baths;
- (5) air induction systems; or
- (6) any combination thereof.

410 IAC 6-2.1-18.5 "Standard Methods" defined

Sec. 18.5. "Standard Methods" means Standard Methods for the Examination of Water and Wastewater, twenty-first edition, published by the American Public Health Association, Inc., 2005, specifically Part 9000, Microbiological Examination of Water.

410 IAC 6-2.1-19 "Swimming pool slide" defined

Sec. 19. "Swimming pool slide" means any device used to enter a pool by sliding down an inclined plane or equipment similar to a playground slide.

410 IAC 6-2.1-19.3 "Tourist" defined

Sec. 19.3. "Tourist" means a person who has a home address somewhere else other than where he/she is spending the night.

410 IAC 6-2.1-19.5 "Tourist home" defined

Sec. 19.5. "Tourist home" means a structure constructed as a single-family dwelling that is rented or otherwise contracted for overnight lodging to a tourist for more than three (3) times per year or more than ten (10) days per year, total.

410 IAC 6-2.1-20 "Turnover rate" defined

Sec. 20. "Turnover rate" means the period of time, expressed in hours, required to circulate a volume of water equal to the maximum pool-water capacity through the pool-water treatment system.

410 IAC 6-2.1-20.5 "Wading area" defined

Sec. 20.5. "Wading area" means those portions of the pool with water depth ranging from zero (0) to two (2) feet.

410 IAC 6-2.1-21 "Wading pool" defined

Sec. 21. "Wading pool" means a pool used for bathing that has a maximum depth of two (2) feet.

410 IAC 6-2.1-22 "Waterslide" defined

Sec. 22. "Waterslide" means a recreational ride that is a sloped trough-like or tubular structure using water as a lubricant and method of regulating rider velocity and terminates in a plunge pool, swimming pool, or a specifically designed deceleration structure.

410 IAC 6-2.1-23 "Wave pool" defined

Sec. 23. "Wave pool" means any pool having a bottom sloped upward from the deep end to the surface at the shallow end with equipment installed at the deep end to create wave motions in the water.

410 IAC 6-2.1-24 "Zero depth pool" defined

Sec. 24. "Zero depth pool" means any pool with a bottom sloped upward from the deep end to the surface level at the shallow end.

410 IAC 6-2.1-25 Administration of rule

Sec. 25. (a) This rule may be administered by the department or by the local health officer through their authorized agent.

(b) Semi-public pools on the premises of a tourist home shall be operated and maintained in accordance with sections 26(b), 28(b), 42.1, and 44 of this rule.

(c) Semi-public spas on the premises of a tourist home shall be operated and maintained in accordance with sections 26(b), 28(b), 42.1, and 44 of this rule.

- (d) A copy of this rule shall be kept on site at the facility.

410 IAC 6-2.1-26 New construction

Sec. 26. (a) Public and semi-public pools, excepting those on the premises of a tourist home, shall be designed, constructed, maintained, and modified in accordance with 675 IAC 20-2.

- (b) Semi-public pools on the premises of a tourist home shall be designated, constructed, maintained, and modified in accordance with 675 IAC 20-4, excepting spas, which must be:
 - (1) commercially manufactured, residential style spas; or
 - (2) constructed in accordance with 675 IAC 20-3.

410 IAC 6-2.1-27 Water supply

Sec. 27. (a) An adequate and convenient supply of potable water that meets the provisions of 327 IAC 8-2 shall be provided at plumbing fixtures used for:

- (1) drinking;
 - (2) cooking;
 - (3) dishwashing;
 - (4) hand washing;
 - (5) showering; and
 - (6) pool water.
- (b) Wells shall be constructed, installed, and located in accordance with 327 IAC 8-2 and 312 IAC 13.
 - (c) A public water supply shall be exclusively used if available within a reasonable distance. A water supply, properly located and constructed, shall be provided if a public water supply is not available.
 - (d) The construction and location of wells with fewer than fifteen (15) service connections, or serving fewer than twenty-five (25) people, shall comply with Bulletin S.E. 13. All other wells shall comply with 327 IAC 8-2.
 - (e) The water supply and distribution system shall have the capacity to deliver a minimum water pressure of twenty (20) pounds per square inch to all water connections during periods of peak water usage. The water supply shall have a capacity to meet total water demands. If a well or pump cannot meet a peak or daily demand, a sufficient useable storage capacity shall be provided.
 - (f) The casing pipe of a well shall extend not less than twenty-four (24) inches above floor level, finish grade, or the highest flood level on record.
 - (g) Water supplies shall have no:
 - (1) wellhead;
 - (2) well casing;
 - (3) pump;
 - (4) pumping machinery;
 - (5) exposed pressure tanks; or
 - (6) suction piping; located in any pit, room, or enclosure that does not have free drainage by gravity to the ground surface at all times.
 - (h) Stop-and-waste valves (including unapproved frost-proof hydrants) or other devices that would allow aspiration or backflow of contaminated water into the potable system shall not be used.
 - (i) All portions of the water distribution system serving pools, and auxiliary facilities, shall be protected against backflow and backsiphonage. Water introduced into the pool, either directly or through the recirculation system, shall be supplied through an air gap or in accordance with 675 IAC 16.

410 IAC 6-2.1-28 Sewage disposal

Sec. 28. (a) The sewage disposal system shall be adequate to serve the facility, including the bathhouse, locker room, pool water treatment equipment, deck drains, and related accommodations.

- (b) Pool water and filter backwash water may not discharge to a ditch, stream, or lake, except in accordance with 327 IAC 2-1.
- (c) All pool gutters, recirculation systems, and overflows shall discharge through an air gap to preclude the possibility of a backup of sewage or waste into the pool or pool piping system.
- (d) All pool sumps, deck drainage systems, and other drainage fixtures that discharge to a sewer or storm drain shall be properly trapped and vented to prevent sewer gases and odors from reaching the pool area.
- (e) All sewage, including gray water, shall be disposed of via a connection to a public sewer, if available within a reasonable distance. If a public sewer is not available within a reasonable distance from the pool, sewage disposal must comply with 410 IAC 6-10, Bulletin S.E. 11, Bulletin S.E. 13, or applicable rules of

the Indiana department of environmental management.

410 IAC 6-2.1-29 Sanitary facilities

Sec. 29. (a) The ratio and location of sanitary facilities for public and semi-public pools shall be in accordance with 675 IAC 20-2-27.

- (b) Sanitary facilities are not required poolside at semi-public pools if sanitary facilities are available to pool patrons within three hundred (300) feet of the pool enclosure.
- (c) Toilet paper and covered waste receptacles shall be provided for toilet facilities.
- (d) Soap, covered waste receptacles, and paper towels or electrical hand drying units shall be provided at the lavatories.
- (e) Hot and cold water shall be provided through a mixing faucet. Hot water temperature shall:
 - (1) be at least ninety (90) degrees Fahrenheit; and
 - (2) not exceed one hundred twenty (120) degrees Fahrenheit.
- (f) When showers are provided, the hot water temperature shall:
 - (1) be at least ninety (90) degrees Fahrenheit; and
 - (2) not exceed one hundred twenty (120) degrees Fahrenheit.
 An approved, properly operating hot water control valve shall be installed on the hot water heater to prevent the hot water temperature from exceeding one hundred twenty (120) degrees Fahrenheit at the point of use. Soap shall be provided at any shower. Bar soap shall not be permitted.
- (g) All sanitary facilities shall be maintained in a safe and sanitary condition.

410 IAC 6-2.1-30 Pool water chemistry

Sec. 30. (a) All pools, when open for use, shall be continuously and automatically disinfected with a chemical that imparts an easily measured, free residual.

- (b) A free residual of the disinfectant chemical shall be maintained throughout the pool at concentrations in accordance with the following:

POOL TYPE	CHLORINE		BROMINE	
	Minimum	Maximum	Minimum	Maximum
Wading pools	3.0 ppm	7.0 ppm	4.0 ppm	10.0 ppm
Spa pools	2.0 ppm	7.0 ppm	4.0 ppm	10.0 ppm
Waterslide plunge pools	2.0 ppm	7.0 ppm	3.0 ppm	10.0 ppm
Wave pools	2.0 ppm	7.0 ppm	3.0 ppm	10.0 ppm
All other pools	1.0 ppm	7.0 ppm	2.0 ppm	10.0 ppm

- (c) Whenever the residual disinfectant:
 - (1) falls below the minimum concentration required; or
 - (2) exceeds the maximum concentration allowed;
 the pool shall be cleared and kept free of bathers until disinfectant residuals are within the acceptable range.
- (d) The department may accept other disinfecting materials or methods when the materials or methods have been demonstrated:
 - (1) to provide a residual effect equivalent to halogens;
 - (2) to be easily measured under conditions of use;
 - (3) not to be dangerous to public health;
 - (4) not to create objectionable physiological effects; or
 - (5) not to impart toxic properties to the water.
- (e) The pool water shall be superchlorinated to breakpoint or superoxidized with a nonchlorine oxidizer when the pool test kit reveals a combined chlorine (chloramine) concentration of five-tenths (0.5) parts per million (ppm) or greater.
- (f) Chlorinated isocyanurates or stabilized chlorine shall not be used for breakpoint chlorination.
- (g) The pool shall be closed and remain closed during breakpoint chlorination until the chlorine concentration drops to the maximum level referenced in subsection (b).
- (h) If a nonchlorine oxidizer is used to superoxidize, the pool shall be closed and shall remain closed in accordance with the specifications on the product label.
- (i) A test kit shall be readily available for use by the pool operator, with reagents replaced according to

manufacturer's requirements, and meet the following:

- (1) For pools that use chlorine as a disinfectant, a test kit shall be used that covers a minimum range of zero (0.0) ppm to five (5.0) ppm or higher. The test kit must be:
 - (A) in increments of five-tenths (0.5) ppm; and
 - (B) capable of measuring total chlorine.
- (2) Orthotolidine may not be used as the disinfectant testing reagent.
- (3) For pools that use a disinfectant other than chlorine, the test kit shall have the range and accuracy proportionate to the range required for chlorine test kits.
- (4) A pH test kit:
 - (A) accurate to the nearest two-tenths (0.2) pH unit; and
 - (B) covering a minimum range of seven (7.0) to eight (8.0) pH units; shall be used.
- (5) When a cyanurate is used as a chlorine stabilizer, the test kit shall be capable of measuring cyanuric acid concentrations.
- (6) A test kit capable of measuring total alkalinity shall be used.
- (j) If chlorinated isocyanurate or cyanuric acid stabilizers are used in a pool, the concentration shall not exceed sixty (60) ppm. When the maximum allowable cyanuric acid concentration is exceeded, the pool must be closed until appropriate measures are taken to lower the concentrations to the required range.
- (k) Chlorinated isocyanurates and cyanuric acid stabilizers shall not be used in any indoor pool.
- (l) Only in pools where chlorine is used as the disinfectant can cyanuric acid be used as a stabilizer.
- (m) The water in a pool shall have a pH of not less than seven and two-tenths (7.2) and not more than seven and eight-tenths (7.8).
- (n) The alkalinity of the water in pools shall be at least eighty (80) ppm and no more than one hundred twenty (120) ppm as titrated to the methyl orange endpoint unless it can be shown that another level of total alkalinity produces chemically balanced water based on calculations approved by the department.
- (o) Pool water shall be tested for the following:
 - (1) pH and disinfectant residuals daily before the pool is open for use and at least one (1) other time during the hours of pool use.
 - (2) Combined chlorine at least twice a week when chlorine is used.
 - (3) Total alkalinity at least once a week.
 - (4) Cyanuric acid, when it is used, at least once a week.
- (p) Spa water shall be tested for pH and disinfectant residuals daily before the spa is open for use and at least two (2) other times during the hours of spa use for the following:
 - (1) Combined chlorine concentration, when chlorine is used, at least twice a week.
 - (2) Total alkalinity at least once a week.
- (q) All results shall be recorded.
- (r) If electronic monitoring devices are used, the accuracy of the device must be checked as required by the manufacturer or compared for accuracy at least once per week with a test kit. Use of oxidation reduction potential (ORP) controllers does not negate the manual daily testing requirement for disinfectant residuals.
- (s) The pool shall be closed for at least one (1) hour following the manual addition of a chemical directly to the pool water.
- (t) Any chemical used to treat the water in a pool must be used in accordance with the product label directions.

410 IAC 6-2.1-31 Water quality standards

- Sec. 31. (a) At all times, the water in a pool shall have sufficient clarity so that the main drain or a black disc, six (6) inches in diameter placed at the deepest part of the pool, is readily visible from the deck.
- (b) The water temperature in spas may not exceed one hundred four (104) degrees Fahrenheit.
 - (c) One (1) water sample must be collected weekly from each pool and submitted for bacteriological examination. Samples may not be collected from any portion of the recirculation system.
 - (d) Sampling shall start at least one (1) week prior to the opening of the pool.
 - (e) Bacteriological examinations performed on each sample shall include the heterotrophic thirty-five (35) degree Centigrade plate count, and a total coliform test using either the:
 - (1) multiple tube fermentation test;
 - (2) membrane filter test; or
 - (3) one hundred (100) milliliter presence/absence test.
 - (f) Tests shall be performed by a state-approved laboratory in accordance with the procedures outlined in

Standard Methods.

- (g) A copy of each water sample report must be submitted to the local health department by the pool owner or operator within four (4) days of receiving such a report from the laboratory. No two (2) consecutive samples or three (3) samples collected in a six (6) week period shall demonstrate the following:
 - (1) Contain more than two hundred (200) bacteria colonies per milliliter as determined by the heterotrophic thirty-five (35) degree Centigrade plate count.
 - (2) Test positive (confirmed test) for coliform organisms in any of the five (5) to ten (10) milliliter portions of a sample when the multiple tube fermentation tube test is used.
 - (3) Test positive for more than one (1) coliform organism per fifty (50) milliliters when the membrane filter test is used.
 - (4) Show the presence of any coliform when the one hundred (100) milliliter presence/absence test is used. Failure to collect and analyze weekly water samples during the period that a pool is open for use is considered an unsatisfactory report for the applicable week.
- (h) When the pool must be closed due to an unsatisfactory sample report, an additional water sample must be submitted to an approved laboratory. The pool may be reopened upon receipt of a satisfactory report.

410 IAC 6-2.1-32 Recirculation

Sec. 32. (a) The recirculation system shall be maintained in accordance with the following:

- (1) The turnover rate for spas shall be once every half hour.
 - (2) For pools, except spas, built before September 13, 1989, the turnover rate shall be the lesser of the following times:
 - (A) Eight (8) hours.
 - (B) The maximum pool capacity in gallons, divided by the maximum bather load, divided again by one hundred eight (108) gallons per hour per bather.
- (b) In all other pools built on or after September 13, 1989, the turnover rate shall be as follows:

POOL TYPE	TURNOVER RATE
Wading pools	1 hour
Wave pools	2 hours
Zero depth pools	2 hours
Pools with wading areas	2 hours
Competition pools	6 hours
Diving pools	12 hours
All other pools	6 hours

- (c) A suitable means shall be provided to measure the flow of water through the pool water recirculation system.
- (d) Footbaths are prohibited.
- (e) All public and semi-public pools and spas must comply with the Virginia Graeme Baker Pool and Spa Safety Act, 15 U.S.C. 8001-8008.

410 IAC 6-2.1-33 Gas chlorine and chemical storage

Sec. 33. (a) The following shall be provided when chlorine gas is used:

- (1) Chlorine gas equipment shall be operated and maintained in accordance with standards and recommendations of The Chlorine Institute, Inc., Pamphlet 82, (1999). A copy of said standards must be kept on the premises.
- (2) A self-contained positive pressure demand breathing apparatus, with air supply tank, designed for use in a chlorine atmosphere.
- (3) The self-contained breathing apparatus shall be kept in a closed cabinet, accessible without a key and located outside of the room in which the chlorinator or chlorine cylinders are located.
- (4) Pool equipment operating staff shall be trained in the use of the self-contained breathing apparatus and shall maintain documentation of that training.
- (5) Each pool operator shall have a written emergency plan of action for chlorine gas leaks. The emergency plan shall be communicated to all employees, posted in a conspicuous place, and be practiced with annual drills.

- (b) All chemicals and items in the chemical storage room shall be stored at least six (6) inches above the floor to allow for flushing the area in the case of a spill.
- (c) All chemicals shall be stored in accordance with manufacturer recommendations.

410 IAC 6-2.1-34 Lifesaving and safety equipment

Sec. 34. (a) At least one (1) unit of lifesaving equipment shall be provided at each pool and shall consist of the following:

- (1) A life pole, or shepherd's crook type of pole, with blunted ends and a minimum length of twelve (12) feet.
- (2) A United States Coast Guard approved ring buoy, having a minimum outside diameter of twenty (20) inches, with one-fourth (1/4) inch diameter rope equal in length to the width of the pool and not to exceed forty-five (45) feet in length. A rescue tube is a permitted alternative to the ring buoy at locations where lifeguards are on duty during operational hours.
- (b) One (1) spine board, with straps and head immobilizer, shall be available for each pool enclosure, except for spas and wading pools.
- (c) For pools with a surface area of two thousand (2,000) square feet or more, a rescue tube or ring buoy shall be provided for each lifeguard on duty.
- (d) A twenty-four (24) unit first aid kit that meets American National Standards Institute (ANSI) standard Z308.1-2003 or 2009 and two (2) blankets shall be provided within each pool enclosure. The first aid kit shall be kept filled and ready for use whenever the pool is open for use.
- (e) A telephone shall be located within two hundred (200) feet of the pool enclosure and must be available for emergency use whenever the pool is open for use, with the facility location and the following emergency telephone numbers posted within view:
 - (1) 911.
 - (2) Ambulance or rescue unit.
 - (3) Hospital.
 - (4) Police station.
 - (5) Fire department.
- (f) Depth markings of pools shall conform to 675 IAC 20-2.
- (g) A removable buoyed transition line, anchored at each end, shall separate the shallow area defined as five (5) feet or less, from the deeper pool area, except when the pool is being used for organized activities or during operation as a wave pool.
- (h) One (1) unit of lifesaving equipment:
 - (1) in good repair;
 - (2) ready for use; and
 - (3) stored within twenty (20) feet of the pool;
 shall be provided for each two thousand (2,000) square feet of pool water surface, except spas and wading pools.

410 IAC 6-2.1-35 Lifeguards

Sec. 35. (a) A qualified lifeguard is required for all public pools. A qualified lifeguard is required for all semi-public pools with a surface area of two thousand (2,000) square feet or more. Lifeguards must be on duty at poolside at all times when the pools are open for use.

- (b) A qualified lifeguard or attendant must be stationed continuously at a waterslide and control its use.
- (c) When lifeguards are required, they shall be provided as follows:

BATHER LOAD*	MINIMUM NUMBER OF LIFEGUARDS
0-75	1
76-150	2
151-225	3
226-300	4
301-375	5

*When the bather load exceeds three hundred seventy-five (375), one (1) lifeguard shall be provided for each additional seventy-five (75) bathers or fraction thereof.

- (d) Lifeguards shall possess a current nationally recognized certification in each of the following:

- (1) Lifeguard training.
- (2) Adult/infant/child cardiopulmonary resuscitation.
- (3) First aid.

Copies of these certificates shall be kept on site and available for inspection.

- (e) The operators of all public pools shall provide annual lifeguard orientation and training that includes training in bloodborne pathogens. New guards shall also receive training when they are employed.
- (f) When on patron surveillance duty, lifeguards shall not perform any other duties, including instruction of a class or coaching, and shall not be in the water except in the line of duty.
- (g) Lifeguards on duty shall be identified with distinguishing equipment, apparel, or emblems.
- (h) Lifeguard platforms or chairs shall be:
 - (1) elevated five (5) to six (6) feet above the deck at pool areas with a depth of five (5) feet or greater;
 - (2) placed in locations that minimize glare on the water; and
 - (3) in a position that will allow complete visual coverage of the pool and the pool bottom within a field of view not greater than forty-five (45) degrees on either side of a line extending straight out from the chair.

410 IAC 6-2.1-36 Warning signs

Sec. 36. (a) Warning signs shall be provided in legible letters at least four (4) inches high as follows:

- (1) A sign warning "DANGER-HAZARDOUS CHEMICALS" shall be posted on or adjacent to the entrance to the pool chemical feed and chemical storage rooms.
 - (2) Whenever the pool area is open for use and no lifeguard service is provided, warning signs shall be placed in plain view at the entrances and inside the pool area that state "Warning-No Lifeguard on Duty". In addition, the signs shall also state in clearly legible letters at least two (2) inches high, "No Swimming Alone. Children Under 14 Years of Age and Nonswimmers Shall Not Use the Pool Unless Accompanied by a Responsible Adult."
 - (3) When the pool is not open for use, a sign shall be posted stating "POOL CLOSED".
 - (4) A sign stating "No Diving" shall be posted at nondiving areas and at portions of the pool that are five (5) feet deep or less. "No Diving" signs are not required at spas or wading pools.
- (b) The following user sanitation and safety rules shall be posted on signs with letters at least one (1) inch high and within the pool enclosure:
- (1) Anyone who has or has had diarrhea in the past two (2) weeks shall not use the pool.
 - (2) Anyone who has an area of exposed subepidermal tissue, open blisters, cuts, etc., is advised not to use the pool.
 - (3) All persons shall take a cleansing shower before using the pool. A bather leaving the pool to use the toilet shall take another cleansing shower before returning to the pool enclosure.
 - (4) Spitting, spouting of water, blowing the nose, and similar behavior in the pool is prohibited.
 - (5) No running or rough play is permitted in the pool, on the runways, on diving boards, on floats, on platforms, in dressing rooms, or in showers.
 - (6) Street clothes are not allowed in the pool.
 - (7) All diaper aged children shall use plastic pants with tight fitting elastic at the legs and waist, or swim diapers.
 - (8) Do not change diapers at poolside.
- (c) In addition to the requirements of subsection (b), spa pools shall have the following posted:
- (1) Pregnant women, small children, or persons with heart disease, diabetes, high blood pressure, or low blood pressure should not enter the spa except under advice of a physician.
 - (2) Avoid use while under the influence of alcohol, tranquilizers, or other drugs that cause drowsiness or raise or lower blood pressure.
 - (3) Exposure greater than fifteen (15) minutes may result in drowsiness, nausea, or fainting.
- (d) The following shall be posted near the entrance of swimming pool slides:
- (1) One (1) rider at a time. Wait until the landing area is clear before entering the slide.
 - (2) Slide in a sitting position or on the back only.
 - (3) Do not attempt to stop on the slide.
 - (4) Leave the plunge area immediately.
 - (5) Warning: Water depth is ____ feet.
- (e) The following shall be posted near the entrance of the water slide:
- (1) Only one (1) rider at a time.

- (2) Follow the instructions of the attendant and/or lifeguard.
- (3) No running, standing, kneeling, rotating, tumbling, or stopping in the flumes.
- (4) No diving from a flume.
- (5) Leave the plunge pool promptly after entering.
- (f) Pools shall have a sign with letters at least one (1) inch high stating the maximum bather load posted within the pool enclosure.

410 IAC 6-2.1-37 Cleaning

- Sec. 37. (a) Visible dirt on the bottom and walls of the pool shall be removed at least every twenty-four (24) hours or more frequently if required.
- (b) Scum, oils, or floating matter on the water surface of a pool shall be removed continuously by skimming, flushing, or other effective means when the pool is open for use.

410 IAC 6-2.1-38 Records of operation

- Sec. 38. (a) Operating records shall be logged daily, kept for a minimum of one (1) year, and be available upon request by the department. The operating records must contain the following:
- (1) Disinfectant residuals and combined chlorine concentrations.
 - (2) pH readings.
 - (3) Volume of fresh water added.
 - (4) Operating periods of pool water recirculation pumps and filters and the corresponding rate of flow meter readings.
 - (5) Amounts of chemicals used.
 - (6) Maintenance and malfunctioning of equipment.
 - (7) The date and time of any fecal events occurring in the pool, whether it involved formed stool or diarrhea, and the free chlorine and pH levels at the time of observation of the event. Before reopening the pool, the:
 - (A) free chlorine and pH levels;
 - (B) procedures followed in response to the fecal accident, including the process used to increase chlorine levels (if necessary); and
 - (C) contact time;
 must be recorded.
 - (b) An injury/incident report using a form prescribed by the department shall be made for each occurrence that:
 - (1) results in death;
 - (2) requires resuscitation;
 - (3) results in transportation to a hospital or other facility for medical treatment; or
 - (4) results in an illness connected to the water quality at the pool.
 - (5) The injury/illness report shall be forwarded to the department within ten (10) days.

410 IAC 6-2.1-39 Visitor and spectator areas at public pools

Sec. 39. There shall be a separation between the spaces used by visitors and spectators at a public pool and those spaces used by bathers. Visitors and spectators in street clothes may be allowed within the perimeter enclosure if a separate area is provided that is segregated from the space used by the bathers by a barrier or wall at least twenty-nine (29) inches high.

410 IAC 6-2.1-40 Food area

- Sec. 40. (a) Food may be permitted only in the visitor or spectator area of a public pool, or in a similarly separated snack area for bathers.
- (b) Only drinks in unbreakable containers shall be permitted on the pool deck.

410 IAC 6-2.1-41 Multi-use suits and towels

- Sec. 41. (a) After each use, all multi-use suits and towels, furnished to bathers by the operator of a pool, shall be washed thoroughly with detergent and hot water of at least one hundred seventy-five (175) degrees Fahrenheit or laundered in warm soapy water containing a chlorine concentration of at least fifty (50) parts per million. Suits and towels must be rinsed and thoroughly dried after laundering.
- (b) Clean suits and towels must be kept strictly separated from those that have been used and are unlaundered.

410 IAC 6-2.1-42 Garbage and refuse disposal

Sec. 42. Garbage and refuse shall be collected, stored, and disposed so that the pool area is kept clean and litter free.

410 IAC 6-2.1-42.1 Tourist home pools and spas

Sec. 42.1. (a) Water introduced into the pool or spa at a tourist home, either directly or through the recirculation system, shall be supplied through an air gap or in accordance with 675 IAC 16.

(b) Semi-public pools and spas at tourist homes shall meet the following:

(1) A free residual of the disinfectant chemical shall be maintained throughout the pool or spa at concentrations in accordance with the following:

Pool Type	CHLORINE		BROMINE	
	Minimum	Maximum	Minimum	Maximum
Pools	1.0 ppm	7.0 ppm	2.0 ppm	10.0 ppm
Spas	2.0 ppm	7.0 ppm	4.0 ppm	10.0 ppm

- (2) Whenever the residual disinfectant:
 - (A) falls below the minimum concentration required; or
 - (B) exceeds the maximum concentration allowed;
 the pool or spa shall be cleared and kept free of bathers until disinfectant residuals are within the acceptable range.
- (3) The pool or spa water shall be superchlorinated to breakpoint or superoxidized with a nonchlorine oxidizer when the pool test kit reveals a combined chlorine (chloramine) concentration of five-tenths (0.5) ppm or greater.
- (4) Chlorinated isocyanurates or stabilized chlorine shall not be used for breakpoint chlorination.
- (5) The water temperature in a spa may not exceed one hundred four (104) degrees Fahrenheit.
- (6) The water in a pool or spa shall have a pH of not less than seven and two-tenths (7.2) and not more than seven and eight-tenths (7.8).
- (7) The alkalinity of the water in pools and spas shall be at least eighty (80) ppm as titrated to the methyl orange endpoint.
- (8) If chlorinated isocyanurate or cyanuric acid stabilizers are used in a pool, the concentration shall not exceed sixty (60) ppm. When the maximum allowable cyanuric acid concentration is exceeded, appropriate measures shall be taken to lower the concentrations to the required range.
- (9) Chlorinated isocyanurates and cyanuric acid stabilizers shall not be used in a spa or in an indoor pool.
- (10) Only in pools where chlorine is used as the disinfectant can cyanuric acid be used as a stabilizer.
- (11) Pool and spa water shall be tested and logged for the following:
 - (A) pH and disinfectant residuals before each change in occupancy.
 - (B) Combined chlorine at least once a week when chlorine is used.
 - (C) Total alkalinity at least once a week.
 - (D) Cyanuric acid, when it is used, at least once a week.
- (12) The pool or spa shall be closed for at least one (1) hour following the manual addition of a chemical directly to the water.
- (13) Any chemical used to treat the water in a pool or spa must be used in accordance with the product label directions.
- (14) (At all times, the water in a pool shall have sufficient clarity so that the main drain or a black disc, six (6) inches in diameter placed at the deepest part of the pool, is readily visible from the deck. Water in a spa shall have sufficient clarity so, when the hydrojets are turned off, the main drain or a black disc, six (6) inches in diameter placed at the deepest part of the spa, is readily visible from the deck.
- (15) One (1) water sample must be collected each month that the pool or spa is open for use and submitted for bacteriological examination. Samples may not be collected from any portion of the recirculation system. Bacteriological examinations performed on each sample shall include the heterotrophic thirty-five (35) degree Centigrade plate count and a total coliform test using either the:
 - (A) multiple tube fermentation test;
 - (B) membrane filter test; or
 - (C) one hundred (100) milliliter presence/absence test.
 Tests shall be performed by a state-approved laboratory in accordance with the procedures outlined in

Standard Methods.

- (16) A copy of each water sample report must be submitted to the local health department by the pool or spa owner or operator within four (4) days of receiving such a report from the laboratory. Should a bacteriological sample collected in accordance with subdivision (15):
- (A) contain more than two hundred (200) bacteria colonies per milliliter as determined by the heterotrophic thirty-five (35) degree Centigrade plate count;
 - (B) test positive (confirmed test) for coliform organisms in any of the five (5) to ten (10) milliliter portions of a sample when the multiple tube fermentation tube test is used;
 - (C) test positive for more than one (1) coliform organism per fifty (50) milliliters when the membrane filter test is used; or
 - (D) show the presence of any coliform when the one hundred (100) milliliter presence/absence test is used;
- another bacteriological sample shall be collected from the same pool within a week of receiving notice about the original monthly bacteriological sample test results, and analyzed in accordance with subdivision (15). No two (2) consecutive bacteriological samples shall demonstrate an exceedance of clause (A), (B), (C), or (D). Failure to collect and analyze water samples in accordance with subdivision (15) and this subdivision during the period that a pool is open for use is considered an unsatisfactory report for the applicable month.
- (17) When the pool or spa must be closed due to an unsatisfactory sample report, an additional water sample must be submitted to an approved laboratory. The pool or spa may be reopened upon receipt of a satisfactory report.
- (18) All items in the room used to store pool or spa water treatment chemicals shall be stored at least six (6) inches above the floor to allow for flushing the area in the case of a spill.
- (19) All pool or spa water treatment chemicals shall be stored in accordance with the manufacturer's recommendations.
- (20) A twenty-four (24) unit first aid kit that meets American National Standards Institute (ANSI) standard Z308.1-2003 or 2009, shall be provided at each tourist home having a pool or spa.
- (21) Prior to occupancy of a tourist home containing a spa, a legible printed warning shall be provided to the lodger stating the following:
- (A) Pregnant women, small children, or persons with heart disease, diabetes, high blood pressure, or low blood pressure should not enter the spa except under advice of a physician.
 - (B) Avoid use while under the influence of alcohol, tranquilizers, or other drugs that cause drowsiness or raise or lower blood pressure.
 - (C) Exposure greater than fifteen (15) minutes may result in drowsiness, nausea, or fainting.
- (c) The test kits used to determine quality of the water in a pool or spa at a tourist home shall have reagents replaced according to the manufacturer's requirements and shall meet the following:
- (1) For pools or spas that use chlorine as a disinfectant, the test kit shall cover a minimum range from zero (0) ppm to five (5.0) ppm or higher. The test kit must be:
 - (A) in increments of five-tenths (0.5) ppm; and
 - (B) capable of measuring total chlorine.
 - (2) For pools or spas that use a disinfectant other than chlorine, the test kit shall have the range and accuracy proportionate to the range required for chlorine test kits.
 - (3) When a cyanurate is used as a chlorine stabilizer, the test kit shall be capable of measuring cyanuric acid concentrations.
 - (4) A pH test kit:
 - (A) accurate to the nearest two-tenths (0.2) pH unit; and
 - (B) covering a minimum range of seven (7.0) to eight (8.0) pH units; shall be used.
 - (5) A test kit capable of measuring total alkalinity shall be used.

410 IAC 6-2.1-43 Reasons for closure

Sec. 43. A pool shall be closed when any of the following occurs:

- (1) Failure to meet:
 - (A) bacteriological requirements of section 31(f), 42.1(b)(15), or 42.1(b)(16) of this rule;
 - (B) disinfectant concentrations of section 30(b), 42.1(b)(1) of this rule; or
 - (C) the water clarity requirements of section 31(a) or 42.1(b)(13) of this rule.

- (2) The grate on the main drain is missing or broken, or failure to meet the requirements of section 32(e) [of this rule].
- (3) Failure to meet lifeguard requirements of section 35 of this rule, where applicable.
- (4) A pump, filter, or disinfectant chemical feeder is not operational.
- (5) A fecal accident.
- (6) The spa water temperature exceeds one hundred four (104) degrees Fahrenheit.
- (7) pH values less than 6.8 or equal to or greater than 8.0.
- (8) If the department determines a condition, situation, or installation is created, installed or maintained that may:
 - (A) cause or result in a health or safety hazard; or
 - (B) cause or transmit disease.

410 IAC 6-2.1-44 Fecal accidents

Sec. 44. (a) In the event that a solid stool or full stomach vomit is identified in the pool or spa water, the following steps are required:

- (1) The pool shall be cleared of all patrons and close all affected pools or spas operating a common filtration system and keep closed during the sanitation procedure.
 - (2) The solid fecal material or vomit shall be removed using a net or scoop. The pool vacuum shall not be used for this purpose. All equipment used to remove the fecal material or vomit shall be sanitized with a fresh solution of twenty (20) parts per million (ppm) chlorine or immersed in the pool during disinfection.
 - (3) The free chlorine/bromine level shall be tested.
 - (4) pH shall be maintained 7.5 or less.
 - (5) Ensure water temperature of seventy-seven (77) degrees Fahrenheit or higher.
 - (6) If chlorine stabilizers are not present in the pool water, the pool shall be closed until a minimum of two (2) ppm of free disinfectant has been present in the pool water for a minimum of twenty-five (25) minutes as measured at poolside or the length of time necessary to attain a CT inactivation value of forty-five (45). When chlorine stabilizers are present in pool water, the pool shall be closed until four (4) ppm of free disinfectant must be present in the pool water for a minimum of twenty-five (25) minutes as measured at poolside or the length of time necessary to attain a CT inactivation value of one hundred (100).
 - (7) When the required level of disinfectant concentration is met, the pool may reopen.
- (b) In the event that a nonsolid stool is identified in the pool or spa water, the following steps are required:
- (1) Immediately clear the pool of all patrons and close all affected pools or spas operating on a common filtration system and keep closed during the sanitization procedure.
 - (2) The fecal matter should be removed as much as possible using a net or scoop. The pool vacuum shall not be used for this purpose. All equipment used to remove the fecal material shall be sanitized with a fresh solution of twenty (20) ppm chlorine or immersed in the pool during disinfection.
 - (3) pH shall be maintained at 7.5 or less.
 - (4) Ensure that water temperature shall be seventy-seven (77) degrees Fahrenheit or higher.
 - (5) If chlorine stabilizers are not present in the pool water, raise the free chlorine residual in the pool water to twenty (20) ppm, chlorine minimum, and maintain it at that level for a minimum of seven hundred sixty-five (765) minutes (twelve (12) hours and forty-five (45) minutes), or the length of time necessary to attain a CT inactivation value of 15,300 or completely drain the pool to a public sewer. Spas only may be completely drained to an approved sewage disposal system other than a public sewer. Stabilized chlorine cannot be used to raise the free chlorine residual. When chlorine stabilizers are present in the pool water, the pool shall be closed, the pH lowered to 6.5, and a forty (40) ppm of free disinfectant must be present in the pool water for a minimum of thirty (30) hours as measured at poolside.
 - (6) When the pool is drained, sanitize all surfaces with a chlorine solution of at least twenty (20) ppm.
 - (7) When the pool is disinfected without draining, continuously operate the recirculation/filtration system during the sanitization/contact period time.
 - (8) Filters shall be backwashed to waste and filter material replenished as necessary.
 - (9) When the sanitizing contact period is completed, the pool may be reopened if the:
 - (A) excess free chlorine levels are reduced to the maximum allowed in section 30(b) of this rule;
 - (B) pH is balanced as needed;

- (C) filter is recharged as needed; and
- (D) circulation system is operating.

410 IAC 6-2.1-45 Right of entry

Sec. 45. The department or the local health officer may enter public or private property at reasonable times upon presentation of credentials to do any of the following:

- (1) Inspect facilities, equipment, or records.
- (2) Investigate complaints.
- (3) Conduct tests.
- (4) Collect samples to obtain information required under this rule.
- (5) Determine whether any person is subject to, or in violation of, this rule.

410 IAC 6-2.1-46 Enforcement

Sec. 46. The department may commence an action under IC 4-21.5-3-8 against a pool operator who:

- (1) fails to comply with this rule; or
- (2) interferes with or obstructs the department or its designated agent in the performance of duties pursuant to IC 16-20-1-23.

410 IAC 6-2.1-47 Incorporation by reference

Sec. 47. The following are hereby incorporated by reference as a part of this rule:

- (1) Indiana State Department of Health Bulletin S.E. 11. Copies may be obtained by a mailed request to Indiana State Department of Health, 2 North Meridian Street, Indianapolis, Indiana 46204.
- (2) Indiana State Department of Health Bulletin S.E. 13. Copies may be obtained by a mailed request to Indiana State Department of Health, 2 North Meridian Street, Indianapolis, Indiana 46204.
- (3) Standard Methods twenty-first edition, 2005, is incorporated by this rule. Copies may be obtained from the American Public Health Association, Inc., 800 "I" Street NW, Washington, D.C. 20001-3710.
- (4) The standards of the Chlorine Institute, Inc., Pamphlet 82, July, 1999. Two (2) copies of these standards are available for reference at the department. Copies may be obtained from the Chlorine Institute Bookstore, P.O. Box 1020, Sewickley, Pennsylvania 15143-1020.
- (5) Standard Z308.1-2003, "Minimum Requirements for Workplace First Aid Kits", published by the American National Standards Institute. Two (2) copies of these standards are available for reference at the department. Copies may be obtained from the International Safety Equipment Association, 1901 North Moore Street, Suite 808, Arlington, VA 22209.
- (6) Standard Z308.1-2009, "Minimum Requirements for Workplace First Aid Kits", published by the American National Standards Institute. Two (2) copies of these standards are available for reference at the department. Copies may be obtained from the International Safety Equipment Association, 1901 North Moore Street, Suite 808, Arlington, VA 22209.
- (7) The Virginia Graeme Baker Pool and Spa Safety Act of 2007, 15 U.S.C. 8001-8008 (2009). Two (2) copies of this law are available at the department. Copies may be obtained online from the Consumer Products Safety Commission website: <http://www.cpsc.gov/>

HENDRICKS COUNTY
PUBLIC POOL AND SPA ORDINANCE
ORDINANCE NO. 2003 -27

PURPOSE: This ordinance is to regulate public and semi-public swimming pools, wading pools and spas with regard to the health and welfare of people in public and semi-public water settings. It is also to provide for the orderly, consistent, and effective implementation of the Indiana State Board of Health Rule 410 IAC 6-2.1, as amended.

SECTION I DEFINITIONS

Full Time Pool – means any public or semi-public pool that operates for more than six (6) months per calendar year.

Habitual Non-compliance - means any repeat violation shown on three (3) consecutive Hendricks County inspection report forms.

Health Officer - means the Executive Officer of the Hendricks County Health Department in Danville, Indiana or the Health Officer’s Authorized Representative.

Not-for-Profit Organization - means an organization exempt from the Indiana Gross Income Tax under IC 6-2.1-3-20 through IC 6-2.1-3-22.

Public Pool –means “any pool, other than those pools defined as semi-public pool which is intended to be used for swimming or bathing and is operated by a concessionaire, owner, lessee, operator, or licensee, regardless ow whether a fee is charged for use. Nothing in this article shall be construed as applying to any pool, constructed at a on (1) or two (2) family dwelling , and maintained by an individual for the sole ues of the household and house guests.

Seasonal Pool – means any public or semi-public pool that is operated outdoors for less than six (6) months each year.

Semi-public pool - means any pool that is intended to be used for swimming or bathing and is operated solely for and in conjunction with:

- (1) schools, universities, and colleges;
- (2) hotels, motels, apartments, condominiums, bed and breakfasts, or similar lodgings;
- (3) camps or mobile home parks; or
- (4) membership clubs or associations.

Nothing in this article shall be construed as applying to any pool, constructed at a one (1) or two (2) family dwelling, and maintained by an individual for the sole use of the household and house guests.

Spa – “Spa” means a pool designed for recreational and/ or therapeutic use, which is not drained, cleaned, and refilled after each use. The term may include, but is not limited to:

- (1) hydrojet circulation;
- (2) hot water;
- (3) cold water;
- (4) mineral baths;
- (5) air induction systems; or
- (6) any combination thereof.

Swimming Pool – means any structure, basin, chamber or tank containing water for swimming, diving or recreational bathing. This term includes diving pools, therapeutic pools and wave pools.

Wading Pool – “Wading pool” means a pool used for bathing that has a maximum depth of (2) feet.

However, nothing in these rules shall be construed as applying to any swimming pool, wading pool or spa constructed at and maintained by an individual for the sole use of the household and house guests.

SECTION II PERMITS

It shall be unlawful for any person to operate a public or semi-public swimming pool, public or semi-public wading pool or public or semi-public spa in Hendricks County, who does not possess a valid permit from the Health Officer; except when the entire operation is receiving inspections by an appropriate State or Federal governmental agency. Valid Hendricks County Pool/Spa permits shall be posted in a conspicuous place at all times.

- A. Only persons who comply with the applicable requirements of this ordinance will be entitled to receive and retain such a permit.
- B. A permit for a swimming pool, wading pool or spa shall be for a term of one year and shall be renewed annually.
- C. Any permit issued by the Health Officer shall contain the name of the facility, the address of the facility and other pertinent information required by the Health Officer.
- D. Required permits shall be provided by the Hendricks County Health Officer if a completed application and appropriate fee are presented and the swimming pool, wading pool or spa complies with all applicable requirements.

- E. A separate permit shall be required for each swimming pool, wading pool or spa operated or to be operated by any person. Any permit issued under this ordinance is not transferable from one person to another person, from one facility to another, or from one type of operation to another.

SECTION III PERMIT FEES

A. Permit Fees

All permitted swimming pool, wading pool or spa operators must pay permit fees as specified in the Hendricks County Board of Health Ordinance for Collection of Fees.

B. Permit Fee Exception

No permit fee shall be required for swimming pools, wading pools or spas operated by not-for-profit organizations. Such establishments shall comply with all other provisions of this ordinance.

SECTION IV MINIMUM REQUIREMENTS FOR SWIMMING POOLS, WADING POOLS AND SPAS

A. General Requirements

Each public swimming pool, public wading pool or public spa shall comply with the minimum requirements specified in Indiana Administrative Code, 410 IAC 6-2.1. Two copies of which are kept on file in the Hendricks County Clerk's Office Danville, Indiana, for public inspection.

B. Facilities to be kept clean; summary closure

- (a) All shower rooms, dressing rooms, equipment rooms, and appurtenant facilities shall be kept clean at all times. Daily disinfection of the areas may be required.
- (b) When a bathing area is in such condition as to pose an imminent threat to the health of the public, the department may order the bathing area to be closed temporarily until such time as conditions are brought into compliance with minimum requirements. This action may be taken by issuing an order in writing.

SECTION V COMPLIANCE AND INSPECTIONS

A. Schedule of Inspection

The Health Officer shall establish an inspection schedule to insure that all permitted swimming pools, wading pools and spas are inspected at least one time per month. More frequent inspection may be assigned at the discretion of the Health Officer.

B. Procedure When Violations Are Noted

If during the inspection of any swimming pool, wading pool or spa, the Health Officer or the Health Officer's representative discovers a violation of any of the requirements in Section IV of this ordinance, he shall issue a written order listing such violation to the proprietor or, in the proprietor's absence, to the person in charge, and setting a date by which the violation shall be abated. A copy of the written order shall be filed with the records of the health department.

C. Follow-up Inspection - Prosecution or Hearing for Violators

If upon a follow-up inspection, the Health Officer finds that a swimming pool, wading pool, spa, person, or employee is violating any provisions of this ordinance which were in violation on the previous inspection, and concerning which a written order was issued, the Health Officer may do either or both of the following:

1. Promptly issue a written order to the permittee of the swimming pool, wading pool or spa; to appear at a certain time and place in the County, in order to show cause why the permit issued under the provisions of Section II should not be revoked.
2. Furnish evidence of the violation to Hendricks County legal representatives for enforcement.

D. Revocation of Permit

The Health Officer upon a hearing with the permittee, if the permittee should fail to show cause why their permit should not be revoked, may revoke the permit and promptly give written notice of the action to the permittee. The Health Officer shall maintain a permanent record of proceedings, filed in the office of the Hendricks County Health Department.

E. Suspension of Permit

Any permit issued under this ordinance may be temporarily suspended by the Health officer, without notice or hearing, for a period not to exceed thirty (30) days for any of the following reasons:

1. Unsanitary or other conditions which the Health Officer determines may endanger the public health.
2. Interference with the Health Officer in the performance of their duties.
3. Habitual non-compliance with the requirements set forth by the Indiana State Department of Health or by this Ordinance.

F. Permit Reinstatement

Any person whose permit has been suspended may, at any time, make application to the Health Officer for reinstatement of his/her permit.

SECTION VI AUTHORITY TO INSPECT AND TO COPY RECORDS

All swimming pool, wading pool or spa operators shall, upon the request of the Health Officer, permit the Health Officer access to all parts of the establishment, and shall permit the Health Officer to collect evidence and/or exhibits, and to routinely inspect, investigate complaints, and copy any or all records relative to the enforcement of this Ordinance.

SECTION VII PENALTIES

In addition to the foregoing, civil penalties, which may include injunctive relief, may be imposed under Indiana law on any person who violates any provision of this Ordinance.

SECTION VIII UNCONSTITUTIONALITY CLAUSE

Should any section, paragraph, sentence, clause, or phrase of this ordinance be declared unconstitutional, or invalid for any reason, the remainder of said ordinance shall not be affected thereby.

SECTION IX REPEAL AND DATE OF EFFECT

All ordinances and parts of ordinances in conflict with this ordinance are hereby repealed, and this Ordinance shall be in full force and effect upon its adoption and its publication as provided by law.

Passed and adopted by the Board of Commissioners of Hendricks County, State of Indiana, on this 23rd day of December, 2003.

BOARD OF COMMISSIONERS

Sonya Cleveland

Steve Ostermeier

Linda Palmer-Ryser

ATTEST:

Nancy Marsh
Hendricks County Auditor



**INDIANA STATE DEPARTMENT OF HEALTH
INJURY /INCIDENT REPORT**

State form 46347 (R/8-04)

Instructions: 1. Mail form to:

State Department of Health
2 North Meridian Street, 5E
Indianapolis IN 46204-3006

Direct questions to: 317/233-7811 Fax 317/233-7047

Rule 410 IAC 6-2.1 requires that serious injuries (requiring attention by a medical doctor) and drownings be reported to the Environmental Health section and the local health department within ten days of the injury or incident/drowning.

FACILITY INFORMATION

Name of Facility _____ ID# _____

Address _____ Phone No. _____

County _____

Operator on Duty _____ CPO* Yes No

*Certified Pool Operator

PERSONAL INFORMATION

Date of Injury/Accident _____

Name of Person Affected _____

Address _____

City _____ State _____ Zip _____

Did Death Occur? Cause of Death _____

Type of Injury _____

Attending Physician _____ Phone # _____

Treatment at the Pool _____

Treatment at a Medical Facility _____

Comments _____

Date: _____ Signature: _____

INDIANA STATE APPROVED POOL LABS

Laboratory Name	Street Address	City, State, Zip	Phone	Fax
A&L Great Lakes Laboratories, Inc.	3608 Conestoga Dr.	Ft. Wayne, IN 46808-4413	(260)483-4759	(260)483-5274
Anderson Water Pollution Control	2801 Gene Gustin Way	Anderson, IN 46011	(765)648-6563(or6560)	(765)648-6670
Aqua Indiana, Inc.	2200 West Cook Rd	Ft Wayne, IN 46818	(260) 436-0343	(260)436-8653
Artesian Water Laboratory	4321 E 3rd St	Bloomington, IN 47401	(812) 335-0899	(812)332-5676
Bluffton Filtration Plant Laboratory	900 Compromise Lane	Bluffton, IN 46714-9304	(260)824-6064	(260)824-4106
Chem-A-Lab	933 West Hanawalt Road	Monticello, IN 47960	(574)583-8990	(574)583-2918
Columbus City Utilities, Environmental Laboratory	1111 McClure Road	Columbus, IN 47202-1987	(812)376-2400 x474	(812)376-2475
Crown Point Public Water Supply	1321 Merrillville Road	Crown Point, IN 46307	(219)662-3255	(219)662-3292
Dairy Farmers of America	1110 South 9th Street	Goshen, IN 46527	(574)533-3141x 3245	(574)533-2708
Delta Water Management Group, Inc.	1450 East Main Street	Brownsburg, IN 46112	(317)852-8966	(317)852-8975
Dillman Road Quality Control Laboratory	100 West Dillman Road	Bloomington, IN 47403-9407	(812)824-4900	(812)824-2894
East Chicago Water Department	3330 Aldis Ave.	East Chicago, IN 46312	(219)391-8487	(219)391-8409
EIS Analytical Services, Inc.	1701 North Ironwood Drive, Suite B	South Bend, IN 46635	(574)277-0707	(574)273-5699
Elkhart Public Works and Utilities Laboratory	1201 South Nappanee St	Elkhart, IN 46616	(574)293-2572	(574)293-7658
EMSL Analytical, Inc.	2001 E 52nd St	Indianapolis, IN 46205	(317)803-2997	(317)803-3047
Environmental Certification Labs, Inc.	11422 U.S. Highway 41N	Farmersburg, IN 47850-0569	(812)696-5076 x 23	(812)696-2596
Environmental Consultants, Inc.	391 Newman Avenue	Clarksville, IN 47129	(812)282-8481	(812)282-8554
Environmental Laboratories, Inc.	635 Green Road	Madison, IN 47250	(812)273-6699	(812)273-6788
ESG Laboratories	5927 W. 71st St	Indianapolis, IN 46278	(317)290-1470	(317)290-1670
Evansville Waterworks Filtration Plant Laboratory	1301 Waterworks Road	Evansville, IN 47713	(812)428-0568	(812)423-1277
Ft. Wayne - Allen CHD	1 East Main Street Room 504	Ft Wayne, IN 46802-1810	(260)449-7359	(260)427-1391
Hammond Water Filtration Plant	926 Casino Center Drive	Hammond, IN 46320	(219)853-6439	(219)473-9143
Hancock Water Laboratory	801 North State Street	Greenfield, IN 46140	(317)468-4424	(317)468-4225
HML, Inc	912 West McCallard	Muncie, IN 47303	(765)288-1124	(765)288-8378
Indiana American Water- Muncie District	1428 Burlington Drive	Muncie, IN 47302	(765)741-1269	(765)741-1268
Indiana American Water- Terre Haute District	800 North First Street	Terre Haute, IN 47807	(812)232-7369 x 235	(812)232-3497
Indiana American Water-Jeffersonville District	2423 Middle Road	Jeffersonville, IN 47130	(812)218-1509	(812)284-3541
Indiana American Water-Kokomo District	1700 E. Superior Street	Kokomo, IN 46903	(765)741-1269	(765)741-1268
Indiana American Water-Richmond District	1720 Sylvan Nook Drive	Richmond, IN 47374	(765)962-0470 x 225	(765)962-1518
Indiana American Water- Northwest Operations	650 Madison Street	Gary, IN 46401-0486	(219)880-2339	(219)881-2261
Jasper County Hosp Water Test. Lab	1104 East Grace Street	Rensselaer, IN 47978	(219)866-2032	(219)866-3234
Jasper Municipal Utilities	825 E Second Avenue	Jasper, IN 47547-0750	(812)482-2010	(812)482-9827
Kosciusko CHD Microbiology Lab	100 W. Center St	Warsaw, IN 46580	(574)372-2349	(574)269-2023
Lafayette Home Hospital	2400 South Street	Lafayette, IN 47904	(765)449-3049	(765)449-3135
Lake County Health Department	2293 North Main Street	Crown Point, IN 46307	(219)755-3676	(219)755-3668
LaPorte CHD Water Laboratory	809 State Street Suite 401A	LaPorte, IN 46350	(219)326-6808 x 429	(219)325-8628
LaPorte City Water Department	1119 Lake Street	LaPorte, IN 46350-3294	(219)326-9540 x 13	(219)326-9135
M & S Labs, Inc.	113 East Maumee Street	Angola, IN 46703	(260)665-2857	(260)665-1199
Marion CHD, Laboratory	3838 North Rural Street	Indianapolis, IN 46205-2930	(317)221-4670	(317)221-4683
Marion Utilities Wastewater Laboratory	107 E. Bond Ave	Marion, IN 46952	(765)664-2391 x 120	(765)668-8556
Micro Air, Inc.	6320 La Pas Trail	Indianapolis, IN 46268	(317)293-1633	(317)290-3569
Microbac Laboratories, Inc.	250 West 84th Drive	Merrillville, IN 46410	(219)769-8378	(219)769 1664
Mishawaka Wastewater Lab	1020 Lincolnway West	Mishawaka, IN 46544	(574)258-1655	(574)255-3557
Montgomery County Health Dept Microbiology Laboratory	110 West South Blvd	Crawfordsville, IN 47933	(765)364-6440	(765) 361-3239
Reid Hosp and Health Care Services	1401 Chester Blvd	Richmond, IN 47374	(765)983-3234	(765) 983-3236
Scientific Methods Inc	12441 Beckley Street	Granger, IN 46630	(574)277-4078	(574)968-0269
Sherry Laboratories, Warsaw	560 South Zimmer Road	Warsaw, IN 46581-1849	(574)267-3305	(574)267-3305
Sherry Laboratories/Columbus	629 Washington Street Ste 300	Columbus, IN 47201	(812)375-0531	(812)375-0731
Sherry Laboratories/Daleville	9301 Innovation Drive Ste 125	Daleville, IN 47334	(765)378-4143	(765)378-4109
Sherry Laboratories/Ft. Wayne	2121 East Washington Blvd.	Ft. Wayne, IN 46803	(260)424-1622	(260)424-9124
South Bend Environmental Laboratory	3113 Riverside Drive	South Bend, IN 46628	(574)277-8515	(574)277-8980
South Bend Med Foundation, Inc.	530 North Lafayette Blvd.	South Bend, IN 46601	(574)234-4176 x 1622	(574)280-2796
TestAmerica Laboratories, Inc.	2400 Cumberland Drive	Valparaiso, IN 46383	(219)464-2389	(219)462-2953
Three Rivers Filtration Plant	1100 Griswold Drive	Ft. Wayne, IN 46805	(260)427-1254 x 1303	(260)427-1354
Townsend Research, Inc.	1339 Sadlier Circle West Drive	Indianapolis, IN 46239	(317)375-0893	(317)375-1046
Twin Rivers Medical Laboratory, Inc.	902 West Broadway	Logansport, IN 46947	(574)739-0004	(574)739-0105
Valley Lea Laboratories	4609 Grape Road D-4	South Bend, IN 46660	(574)272-8484	(574)273-0370
Valparaiso Dept of Water Works	2101 Wesley Road	Valparaiso, IN 46383	(219)462-6174 x 1342	(219)531-1194
Vanderburgh CHD	420 Mulberry St	Evansville, IN 47713	(812)435-5586	(812)435-2399
Veolia Water Indianapolis	950 West 16th St	Indpls, IN 46202	(317)941-7142	(317)941-7109
OUT-OF-STATE LABS				
Aqua Illinois, Inc.	1300 W. Fairchild Street	Danville, IL 61834-1130	(217)442-3063 x 121	(217)443-8540
Beckmar Environmental Laboratory, Inc.	3251 Ruckriegel Parkway	Louiseville, KY 40299	(502)266-6533	(502)266-6446
Belmont Laboratories	25 Holiday Drive	Englewood, OH 45322	(937)832-8242 x 24	(937)832-2868
Brookside Laboratories, Inc.	308 South Main Street	New Knoxville, OH 45871	(419)753-2448 x 215	(419) 753-2949



SWIMMING POOL LOG

(MUST BE KEPT FOR ONE YEAR)

REPORT OF _____ POOL AT _____ FOR WEEK BEGINNING _____ 20____
 (NAME OF POOL) (MAILING ADDRESS)

DAY	NO. OF BATHERS	SUPERCHLORINATION		D.E. FILTER CAKE ADDED (POUNDS)	BOTTOM AND WALLS CLEANED	FRESH WATER ADDED (GALLONS)	TIME OF RECIRCULATION (HRS)	FLOW RATE (GPM)	FILTERS BACK WASHED				REMARKS: NOTE MAINTENANCE & MALFUNCTION OF EQUIPMENT, SHUT DOWN OF FILTERS OR DISINFECTING EQUIPMENT, POWER FAILURES, SICKNESS, INJURIES, OR UNUSUAL CONDITIONS
		PPM CL ₂	AMT. ADDED										
SUNDAY													
MONDAY													
TUESDAY													
WEDNESDAY													
THURSDAY													
FRIDAY													
SATURDAY													

GIVE NAME OF POWDERS OR SOLUTIONS USED FOR DISINFECTION _____

DAY	DAILY							WEEKLY					CHEMICAL USAGE				
	DISINFECTANT RESIDUAL			PH			WATER TEMP (°F)	TOTAL CHLORINE	CYANURIC ACID	ALKALINITY	CALCIUM HARDNESS	SAMPLE COLLECTED FOR BACT. TEST (DATE)	BACT. RESULT	RECORD ALL CHEMICALS USED IN POUNDS/GALLONS			
	OPENING	MID SESSION	CLOSING	OPENING	MID SESSION	CLOSING								ACID	SODA ASH	ALGACIDE	OTHER
SUNDAY																	
MONDAY							COMMENTS: _____ _____ _____										
TUESDAY																	
WEDNESDAY																	
THURSDAY																	
FRIDAY																	
SATURDAY																	

SIGNED _____ (NAME) _____ (TITLE)