Story County Environmental Health 900 6<sup>th</sup> Street Nevada, IA 50201 515-382-7240

Form from IDPH 2-9-11

## **Iowa Department of Public Health**

**Division of Environmental Health**321 E 12<sup>th</sup> Street, Des Moines, IA 50319
Phone: (515)281-8722 Fax: (515)281-4529

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Facility Name:	lich Od	· AL	Registration #: 5	35-0727-022-	1-8-001	
Person Contacted:	tickory Ridge	e mps.		Registration #: 85-0727-032-1-8-001  Pool		
	Chris But	1er	7			
Title: CP	O Maintena	mee Supervisor	$\checkmark$			
Facility Physical Add	dress:	ncoln Swins		City: Ames	State: Zip:	014
County:	Story			Date of Inspection: 7-5	2-14	,
lame of CPO(s)	Chris Buth	PV 937	-559-6027			
CORRECTION F	29.5 E.	10.		O STORY COUNTY ENVIR	ONMENTAL	
HEALTH, WITHIN	15 BUSINESS DAYS	F THE INSPECTION.				
WATER CHEMISTRY			The last section is			
emperature	<= 104° if spa	770=	pH	6.8-8.2 (7.2-7.8)	7.4	
Total Chlorine	managa benang man	Control of the Contro	Alkalinity	Tabalay el luis pa	70	
ree Chlorine	0.6-8.0 (1.0-8.0)	4.0	Calcium Hardnes	s	270	
Combined Chlorine		0.2	Cyanuric Acid	<= 80 ppm	3,2	
otal Bromine	1.0-18.0 (2.0-18.0)		ORP Reading			
Frequency of Require	certified operator, lifeguard, ed Tests Pool 15.4(2)	first-aid, basic water rescue(1)-(6) Spa 15.	ue, & CPR certificates fo 51(2)e	r the facility staff shall be kept a		
hardness Spa: ORP and at ea	monthly	y 2 hours; free Cl (Br) and each fill.		ned CI, total alkalinity and cyanu; ; combined Cl and cyanuric acid		
Results of Spa wate Results of Results of Reports of Dates & Control Dates with A written MSDS for A perman I The lifegu	ent manual for the operatior ard staffing plan for the facil	I be closed if the water tendlyses. ries, & illness. rs, including resupply of colleaned or a filter cartridg sted at least 1x/month; divided. It must be reviewed must be on-site. MSDS man of the facility shall be ke	chemical feed systems, e was changed. attes of tests shall be reced annually and the date ust be reviewed annually the the facility.	PF. 15.51(4)c		
☐ ☐ Main drai test date(☐ ☐ A spa cor of water a	s) recorded. 15.4(3)h(1) staining 500 gallons of water	& (3) Spa 15. or less shall be drained , or two weeks, and a spa co	51(4)f(2) & (4) cleaned & refilled a mini	ility. Each SVRS must be tested imum of once a week, a spa cor 0 gallons a minimum of one tim	ntaining 500 to 2000	gallo

Pool Cover ASME A112-9.8-2007

POOL/SPA AND SURROUNDING AREAS  1. First Aid Kit Pool 154(4)f(4)            A swimming pool facility shall have a first-aid kit which contains a supply of bandages, bandage compress, self-adhering gauze bandage &
disposable gloves. Where life guards are not present, the first-aid kit shall be prominently mounted in the swimming pool enclosure, or a sign stating its location shall be posted near the swimming pool.
2 felephone Pool 15.4(4)f(7) Spa 15.51(4)d  A designated emergency telephone shall be available to the users of a swimming pool/spa. Instructions for emergency use of the phone must be posted. If the emergency telephone is not located within the swimming pool/spa enclosure, management shall post a sign(s) indicating the location of the emergency telephone.
3. Electrical Outlets Pool 15.4(4)m Spa 15.51(4)k
4. Signs (Rules posted/spa bather load) Pool 15.4(6)b Spa15.51(5)b  Legible rules signs shall be posted conspicuously at a minimum of two locations w/in the facility enclosure. Rules shall include: No diving in the shallow end, No horseplay, No running on deck.  A 'No Lifeguard' sign shall be posted at each entry to a swimming pool or a wading pool where lifeguards are not required.  Rules & restrictions for the use of a water slide shall be posted near the slide.  A Spa Rules sign shall be posted near the spa.  The maximum depth of a spa shall be posted at a conspicuous location near the spa in numerals or letters
5. Spa Jet Timer and Emergency Stop 15.51(4)   The spa jet timer shall be out of reach of persons in the spa. The timer cycle shall be 10 minutes or less.  An emergency shutoff switch shall be installed near the spa. The switch shall stop both the filter and the jet pumps.
6. Pool/Spa Lighting Pool 15.4(4)m(2) Spa 15.51(4)j(4)  Artificial lighting shall be provided for indoor pools/spas and for outdoor pools/spas used after sunset. Overhead and underwater lights shall be fonctional.  Underwater lights operating at more than 15 V shall be equipped with a GFCI.
7. Deck Clean/Drainage/Slip Resistant Pool 15.4(4)k Spa 15.51(4)h  The decks shall drain away from the swimming pool/spa. The deck shall be maintained free of standing water (to the extent practical).  Decks shall have a slip resistant, durable and cleanable surface, free of litter, obstructions & tripping hazards.
8. Clarity Pool 15.4(2)c 15.51(2)c  Y A swimming pool shall be closed if the grate openings on the main drain are not clearly visible (>8 ft deep, main drain is clearly visible).  A spa shall be closed if the openings on drain fittings at the bottom of the spa are not clearly visible when the jet system is off.
9. Pool cleanliness Pool 15.4(3)b - Spa 15.51(3)b  ☑ ☐ A swimming pool/spa shall be clean.
10/ Water level Pool 15.4(4)g Spa 15.51(4)e $\  \  \  \  \  \  \  \  \  \  \  \  \ $
11. Color (Walls, Bottom) Pool 15.4(4)i(1)  The bottom & sides of a swimming pool shall be white or a light color.
12 Smooth Finish Pool 15.4(4)i(2) Spa 15.51(4)
13/ Sharp/Rough Edges - Pool 15.4(4)k - Spa -15.51(4)i  \[ \sum \square \square \square No sharp or excessively rough edges shall be present in or around the swimming pool/spa.
Gutters/skimmers Pool 15.4(1)b(3) Spa 15.51(1)e  A swimming pool/spa shall have a means for skimming the water surface.  Each skimmer shall have a self-adjusting weir.  Skimmers shall have an easily removable basket upstream from any valve.  Skimmer equalizer openings in the pool/spa must have VGB compliant fittings or the equalizers must be plugged.  Pool 15.4(4)h Spa 15.51(4)f
15/ Inlets Pool 15.4(1)b(4) Spa 15.51(1)d
16. Main Drain and other submerged outlets (VGB)  Pool 15.4(4)h  Spa 15.51(4)f  Each outlet including the main drain(s), shall be designed to prevent human entrapment.  Each drain shall have a cover with openings or slots no more the ½ inch wide.  Drain covers shall not be removable without the use of tools.

S U N/A	
D D	Lines - Pool 15.4(4)i(3):  The boundary between shallow & deep water (5 ft) shall be marked by a float line with floats spaced no more than 5 ft apart. When the slope of the floor of a swimming pool exceeds 1:12 ft at a depth of less than 5 ft, a float line shall be placed within 12 inches of the shallow edge of the slope change.
	A stripe at least 4 inches wide shall be marked on the floor and walls of the pool at 5 feet depth or at the beginning of a slope greater than 1:12.
18. Depth Ma	Depth markers shall be located on the deck no more than 3 ft from the edge of the swimming pool.  Depth markers shall be located at 1 ft depth intervals, but not more than 25 ft apart measured between the centers of the depth markers.  Depth markers shall be located not more than 25 ft apart measured between the centers of the depth markers around the deep end of the swimming pool. The words "Deep Water" may be used in place of numerals as depth markers.
19 No Diving	Markers - Pool 15.4(4)j(5): Swimming pool areas where diving is not permitted shall be marked with "No Diving" or equivalent wording or graphics on the pool deck within 3 ft of the edge of the swimming pool at intervals no greater than 25 ft between the centers of the markers around the perimeter of the area.
	tant Markers - Pool 15.4(4)j(6): Letters, numbers & graphics marked on decks shall be slip resistant.
21. Emergen	ey Equipment - Pool 15.4(4)f:  Except for wading pools, a minimum of one unit of lifesaving equipment shall be provided for each 1500 ft <sup>2</sup> of water surface area or fraction thereof. A unit of lifesaving equipment consists of one of the following: A U.S. Coast Guard recognized ring buoy, a life pole or a "shepherd's crook" of at least 8 ft in length, a rescue buoy, a rescue tube, &/or any other piece of rescue equipment approved by the department.
	Guardrails, Stairs, Ladders & Ramps  Pool 15.4(4)b  Ladders or recessed steps shall be provided in the deep portion of a swimming pool. Stairs, ladders, recessed steps or ramps shall be provided in ortion if the vertical distance from the bottom of the swimming pool to the deck is more than 2 ft.  Ladders, ladder rungs & ramps shall be securely anchored.  Stairs, ladder rungs, ramps & recessed steps shall be slip-resistant.  If a swimming pool is over 30 ft wide, recessed steps, ladders ramps or stairs shall be installed on each side.  Where recessed steps are provided, securely anchored grab rails shall be provided.  Where stairs or ramps are provided, they shall be equipped with a securely anchored handrail.  When stairs are provided for entry into a swimming pool, a slip resistant stripe at least 1 inch wide of a color contrasting with the swimming pool floor shall be marked at the leading edge of each tread.  The vertical rails of a ladder shall be 3" to 6" from the pool wall  The bottom end of a ladder shall be within one inch of the pool wall and shall be covered with a smooth non-metallic cap.  Ladders, handrails & grab rails shall have no exposed sharp edges.
	A spa shall have at least one stairway, ramp, ladder or set of recessed steps designating a point of entry.  Stair steps shall be slip resistant.  Stair steps shall be provided with two hand/grab rails, one on each side of the steps.  Ladders, handrails & grab rails shall be securely anchored.  Ladders, handrails & grab rails shall be of corrosion-resistant materials, or provided with corrosion resistant coatings.  Ladders, handrails & grab rails shall have no exposed sharp edges.
	Lifeguard Chairs - Pool 15.4(4)d & e: Lifeguards required for city, school and other pools greater than 1500 ft² (exceptions for apartments, condominiums, homeowner associations, country clubs, manufactured home communities, and mobile home parks).  Outdoor swimming pools where lifeguards are required by rule shall have at least one elevated lifeguard chair or station provided for a swimming pool with a water surface area of 2000 - 4000 ft² inclusive; at least two chairs shall be provided if the area is 4001-6000 ft²; and at least three chairs shall be provided if the area is 6001 ft² or more.
24. Starting B	Starting blocks shall be removed, covered, or a sign posted to prevent use by the public during general use periods.
25. Hose Bibs	- Pool 15.5(4)h: - Spa 15.52(4)i(3): At least one hose bib shall be provided for flushing the deck. Vacuum breaker backflow preventers shall be provided on all hose bibs at a swimming pool or spa facility, including shower rooms, and pool equipment rooms.  Pool 15.4(1)d(1) & (2)  Spa 15.51(1)g(2):
26/ Fencing  26/ Fencing	Pool 15.4(4)l Spa 15.51(4)k  Except for a fill & drain wading pool, a swimming pool shall be enclosed by a fence, wall building enclosure or combination thereof not less that 4 ft high & made of durable material.  A fence, wall or other means of enclosure shall have no openings, other than gateways & doorways, that would allow the passage of a 4 inch sphere, & shall not be easily climbable by toddlers.  The distance between the ground & the top of the lowest horizontal support accessible from the outside of the facility, or between the two lowest horizontal supports accessible from outside the facility, shall be at least 45 inches.  If a wading pool is within 50 ft of a swimming pool, the wading pool shall have a barrier at least 36 inches high separating it from the swimming pool.
	An indoor swimming pool shall be enclosed by a barrier at least 3 ft high if there are sleeping rooms, hallways, apartments, condominiums or

S U N/A  A wave pool shall have a continuous barrier along the full length of each side of the wave pool. The barrier shall be at least 42 inches high and be installed 2 ½ to 3 ft from the side of the wave pool. Users shall not be permitted in this area.
27. Gates Pool 15.5(4)I(3) Spa 15.51(4)k(3)  A gate at least 36 inches in width shall be provided for emergency purposes.  Gates must be lockable.  Where lifeguards are not provided, gates/doors must be self-closing and self-latching.
Diving well  Pool 15.5(13)a  1. Board & Platform: Pool 15.4(4)c  □ □ ☑ Diving boards & platforms over 3 meters high are prohibited except where approved by the department.  □ □ ☑ Diving boards & platforms shall have slip-resistant surfaces.  □ □ ☑ Diving boards shall have no cracks or other obvious structural defects.
2. Water Depth Pool 15.4(4)c
3. Support Structure(s) Pool 15.4(4)c  Supports, platforms & steps for diving boards shall have no obvious structural problems.  Handrails and guard rails present and secure.
Water Slides/Swimming Pool Slides  1. Chute Structure(s) - Pool 15.4(4)o:
2. Landing areas Pool 15.4(4)o
WATER QUALITY
1. Water Supply Pool 15.4(1)d Spa 15.51(1)g  The water supplied to a swimming pool/spa shall be from a water supply meeting the requirements of the IDNR for potable water.  Water supplied to a swimming pool/spa shall be discharged to the system through an air gap or a reduced principle backflow device.  Reduced pressure backflow preventer must be tested annually. Record of test must be available.
2. Water Quality Test Results Pool 15.4(2) Spa 15.51(2)  ☑ □ Refer to Iowa Code sections listed & Aquatic Facility Testing & Record Keeping Requirements handout provided.
3. Fest Kit Pool 15.4(2)f Spa 15.51(2)  A swimming pool/spa facility shall have functional water testing equipment for free chlorine & combined chlorine, or total bromine; pH; total alkalinity; calcium hardness; & cyanuric acid.
6. Vacuum Cleaner Pool 15.4(3)b(2)  1 A vacuum cleaning system capable of reaching all parts of the pool bottom shall be provided.
WATER TREATMENT EQUIPMENT
1. Circulation Equipment Pool 15.4(1)a & b  The filter pump shall be operating.  Pressure gauges at filter pump (before and after) and filter shall be functional.  The circulation system flow meter(s) shall be functional.
2. Disinfection/Chemical Feed Pool 15.4(3)a Spa 15.51(3)a  Disinfection chemical equipment shall be working.  DH chemical feed equipment shall be working.  ORP/pH controller shall be working and shall activate chemical feeders as necessary.
3. Solution Tank Pool 15.5(11)e Spa 15.52(11)e ☐ ☐ ☐ ☐ If a sodium hypochlorite tank is larger than 55 gallons, secondary containment is required.
4. Chemical Storage Pool 15.4(4)a Spa 15.51(4)a  Swimming pool/spa treatment chemicals shall be stored & handled in accordance with the manufacturer's recommendations.  Chemical storage containers shall be clearly labeled.  A chemical hazard warning sign shall be placed at the entrances to rooms where chemical are used/stored, or where bulk containers are located.
5. Water Heater/Boiler Pool 15.4(1)e Spa 15.51(1)h

Rooms with fuel-burning equipment shall have one or more openings to the outside for providing combustion air.
6. Gas Chloripe Room (Gas - Vents, Lights, Gas Cylinders) Pool 15.4(4)n    Room shall have an airtight exhaust system which takes its suction near the floor & discharges out of doors in a direction to minimize the exposure to swimming pool patrons. The system shall provide one air change every 4 minutes.    An air intake shall be provided near the ceiling.    The exhaust fan shall be operated from a switch in a nearby location outside the chlorine room or building.    A plastic bottle of commercial strength ammonia solution for leak detection shall be provided.
Showers/Toilets/Dressing Rooms
1. Cleanliness - Pool 15.4(5)  Users shall have access to showers, dressing rooms & sanitary facilities that are clean & free of debris.  Floors shall be slip-resistant and be maintained without standing water (to the extent practical).  Carpet shall not be installed in wet areas of the bathhouse/dressing area.
2. Facilities Working - Pool 15.4(5)d  All lavatories, showers & sanitary facilities shall be functional.  Soap shall be available at each lavatory and at each indoor shower fixture.
3. GFI's/Hosebibs - Pool 15.4(4)m(1): - Spa 15.51(4)j(1):
IOWÁ SMOKEFREE AIR ACT - Iowa Code § 142D:  No violations observed (No evidence of smoking in prohibited areas, no ashtrays present, signs posted at entrances).

<u>Disability regulations, including its ADA standards for Accessible Design.</u> Guidelines available at <a href="http://www.access-board.gov/recreation/quides/pools.htm">http://www.access-board.gov/recreation/quides/pools.htm</a> .
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This report indicates the conditions of the pool/spa at the time of inspection and does not guarantee future conditions or function. If at any time one or more of the following issues are present, the pool/spa shall be closed until they are resolved.  • The free chlorine measurement is less than 0.6 ppm or the total bromine measurement is less than 1.0 ppm.  • The free chlorine measurement exceeds 8.0 ppm or the bromine measurement exceeds 18.0 ppm.  • The pH measurement is less than 6.8 or exceeds 8.2.
<ul> <li>The cyanuric acid measurement exceeds 80 ppm.</li> <li>The main drain is not clearly visible from the deck. (This can be caused by problems such as poor water clarity, surface reflection, and/or inadequate lighting.)</li> <li>Two consecutive positive test results for coliform bacteria. (After the first positive result, the Story County Environmental Health office should be contacted, the pool shall be shock chlorinated, and a second sample will be taken once the disinfectant residual returns to above acceptable levels. The pool shall be closed if the second sample is positive and may reopen once no coliform bacteria are detected and the above listed requirements are met.</li> </ul>
Pool/Spa Representative 7-8-14  Date
County Representative 7-8-14 Date