

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

Form from IDPH 2-9-11

Iowa Department of Public Health
 Division of Environmental Health
 321 E 12th Street, Des Moines, IA 50319
 Phone: (515)281-8722 Fax: (515)281-4529

Facility Name: **ISU - Forker Bldg.** Registration #: **85-0157-023-2-A-001**
 Person Contacted: **Janet Schneider** Pool Spa Other:
 Title: **Area Mechanic**
 Facility Physical Address: **Forker Bldg.** City: **Ames** State: **IOWA** Zip: **50014**
 County: **Story** Date of Inspection: **7-25-14**
 Name of CPO(s): **Darren S. Huntley exp. 5/7/19 515-460-3087**
A CORRECTION PLAN ADDRESSING EACH VIOLATION MUST BE SUBMITTED TO STORY COUNTY ENVIRONMENTAL HEALTH, WITHIN 15 BUSINESS DAYS OF THE INSPECTION.

A. WATER CHEMISTRY

Temperature	<= 104° if spa	86° F	pH	6.8-8.2 (7.2-7.8)	7.4
Total Chlorine			Alkalinity 1/wk		80
Free Chlorine	0.6-8.0 (1.0-8.0)	2.4	Calcium Hardness 1/mo (200-400)		
Combined Chlorine			Cyanuric Acid 1/wk	<= 80 ppm	
Total Bromine	1.0-18.0 (2.0-18.0)		ORP Reading 700-800		718

Key: **S = Satisfactory** **U = Unsatisfactory** **N/A = Not Applicable**

MANAGEMENT/PERSONNEL

- S U N/A** Pool 15.4(6)h Spa 15.51(5)a
1. Lifeguard certificates Pool 15.4(6)h Spa 15.51(5)a
 Copies of certified operator, lifeguard, first-aid, basic water rescue, & CPR certificates for the facility staff shall be kept at the facility.
2. Frequency of Required Tests Pool 15.4(2)e(1)-(6) Spa 15.51(2)e
 Swimming pool: ORP and pH at opening and every 4 hours; free Cl (Br) 2x daily; combined Cl, total alkalinity and cyanuric acid weekly; calcium hardness monthly
 Spa: ORP and pH at opening and every 2 hours; free Cl (Br) and temperature 2x daily+; combined Cl and cyanuric acid daily; total alkalinity weekly and at each fill; calcium hardness at each fill.
 Sample to a lab for bacteria analysis monthly.
3. Operational records, operations manuals, emergency/staff plans, GFI/backwash records Pool 15.4(6) Spa 15.51(5)
 Results of chemical tests. 15.51(4)c
 Spa water temperature. The spa shall be closed if the water temperature exceeds 104°F. 15.51(4)c
 Results of monthly microbiological analyses.
 Reports of complaints, accidents, injuries, & illness.
 Dates & quantities of chemical additions, including resupply of chemical feed systems.
 Dates when filters were backwashed, cleaned or a filter cartridge was changed.
 GFI receptacles & breakers shall be tested at least 1x/month; dates of tests shall be recorded.
 A written emergency plan shall be provided. It must be reviewed annually and the date(s) of review recorded.
 MSDS for chemicals used at the pool must be on-site. MSDS must be reviewed annually and the date(s) of review recorded.
 A permanent manual for the operation of the facility shall be kept at the facility.
 The lifeguard staffing plan for the facility shall be available to the inspector at the facility. The plan shall include staffing assignments for all programs conducted at the pool.
 Main drain and SVRS documentation (VGB) with dates of installation must be at the facility. Each SVRS must be tested at least monthly and the test date(s) recorded. 15.4(3)h(1) & (3) Spa 15.51(4)(2) & (4)
 A spa containing 500 gallons of water or less shall be drained, cleaned & refilled a minimum of once a week, a spa containing 500 to 2000 gallons of water a minimum of one time every two weeks, and a spa containing more than 2000 gallons a minimum of one time every three weeks. A record of the drain & refill shall be at the facility. 15.51(3)b

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 1/2 to 3 ft from the side of the wave pool. Users shall not be permitted in this area.

27. Gates Pool 15.5(4)(3) Spa 15.51(4)(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
 See TABLE 3 page 15 of the Iowa Swimming Pools Code

3. Support Structure(s) Pool 15.4(4)c
 Supports, platforms & steps for diving boards shall have no obvious structural problems.
 Diving board steps in good repair and slip-resistant
 Handrails and guard rails present and secure.

Water Slides/Swimming Pool Slides

1. Chute Structure(s) - Pool 15.4(4)o:
 Water slide support structures shall be free of obvious structural defects.
 The internal surface of a flume shall be smooth and continuous for its entire length.
 The flume shall have no sharp edges within reach of a user while in the proper sliding position.

2. Landing areas Pool 15.4(4)o
 Plunge pool depth shall be at least 3 ft and no more than 4 ft at the end of the flume and for at least 15 ft beyond the end of the flume.
 The landing area for a water slide or a swimming pool slide shall be designated by a float line or a painted area (swimming pool slides).

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 & Aqualic Facility Testing & Record Keeping Requirements handout provided.

3. Test 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)
 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 Spa 15.51(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.
 pH 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
 Electric water heaters shall bear the seal of UL, Underwriters Laboratory, Chicago, Illinois.
 Gas-fired heaters shall be equipped with a pressure relief valve.
 Fuel-burning water heaters shall be vented to the outside in accordance with the Iowa State Plumbing Code.

Steam

S U N/A

Rooms with fuel-burning equipment shall have one or more openings to the outside for providing combustion air.

6. Gas Chlorine 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):

- Electrical outlets in the public dressing, lavatory and shower areas shall be protected by properly installed ground fault circuit interrupter (GFCI) receptacles at the outlet or breaker serving the outlet.
- A hose bib(s) shall be provided within the bathhouse or dressing area.

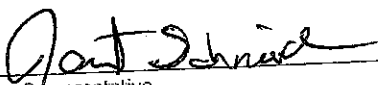
IOWA SMOKEFREE AIR ACT - Iowa Code § 142D:

- No violations observed (No evidence of smoking in prohibited areas, no ashtrays present, signs posted at entrances).

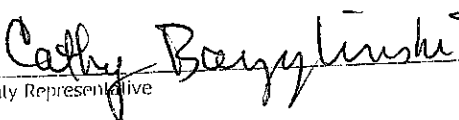
Comments: ****REMINDER**** As of March 2013 All recreation facilities, covered by ADA will be required to comply with the new Americans with Disability regulations, including its ADA standards for Accessible Design. Guidelines available at <http://www.access-board.gov/recreation/guides/pools.htm>.

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.
- The cyanuric acid measurement exceeds 80 ppm.
- 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.)
- 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.)


Pool/Spa Representative

7-25-14
Date


County Representative

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