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 Health321 E 12th Street, Des Moines, IA 50319
Phone: (515)281-8722 Fax: (515)281-4529

Facility Name: Person Contacted:	1 1 .						
Percon Contacted	Landmark	Villa	Registration #: 8	5-0747-037-	-1-B-0	01	
reison contacted:			Pool Spa Other:				
Title:	CPO						
Facility Physical Ac		7		City: A mes	State: IOWA	Zip: 5001	
County:	Story			Date of Inspection: 6-9-15			
Name of CPO(s)	Kaye I	revs	nd, M., cycley J. of St. I. Mile Milesy H. July, s.				
	PLAN ADDRESSING EAC N 15 BUSINESS DAYS O			STORY COUNTY ENVI	RONMENTAL		
WATER CHEMISTRY		er pri Salva di di di degli, sa		iky sama mara pakana		8, 72	
Temperature	<= 104° if spa	83°F	pH	6.8-8.2 (7.2-7.8)	7.	7.8	
Total Chlorine			Alkalinity		8	0	
Free Chlorine	0.6-8.0 (1.0-8.0)	6.8	Calcium Hardness	Tomborous popular sept as			
Combined Chlorine Total	1.0-18.0 (2.0-18.0)	0.2	Cyanuric Acid	<= 80 ppm			
Bromine	1.0-18.0 (2.0-18.0)		ORP Reading	to distance of entires in the			
NAGEMENT/PERSONI	<u>NEL</u>	= Unsatisfactory	N/A = Not	Аррисавіе			
U N/A PO/ Lifeguard certifi	icates Pool 15.4(6)h certified operator, lifeguard, fi ed Tests Pool 15.4(2)e g pool: ORP and pH at opening s monthly	Spa 15 irst-aid, basic water resc (1)-(6) Spa 15 g and every 4 hours; free	.51(5)a ue, & CPR certificates for .51(2)e e Cl (Br) 2x daily; combine	the facility staff shall be kept ed Cl, total alkalinity and cyan	nuric acid weekly		
U N/A CPO/ Lifeguard certification Copies of Require Swimminhardness Spa: ORP and at each	icates Pool 15.4(6)h certified operator, lifeguard, fi ed Tests Pool 15.4(2)e g pool: ORP and pH at opening monthly and pH at opening and every ach fill; calcium hardness at ea	Spa 15 irst-aid, basic water resc (1)-(6) Spa 15 g and every 4 hours; free 2 hours; free Cl (Br) and	.51(5)a ue, & CPR certificates for .51(2)e e CI (Br) 2x daily; combine d temperature 2x daily+; o	the facility staff shall be kept ed Cl, total alkalinity and cyan	nuric acid weekly		
U N/A CPO/ Lifeguard certification Copies of Frequency of Requirication Swimmin hardness Spa: ORP and at each Sample to	icates Pool 15.4(6)h certified operator, lifeguard, fi ed Tests Pool 15.4(2)e g pool: ORP and pH at opening s monthly and pH at opening and every ach fill; calcium hardness at ea to a lab for bacteria analysis m	Spa 15 irst-aid, basic water resc (1)-(6) Spa 15 g and every 4 hours; free 2 hours; free Cl (Br) and ich fill. onthly.	.51(5)a ue, & CPR certificates for .51(2)e e Cl (Br) 2x daily; combine d temperature 2x daily+; o	the facility staff shall be kept ed Cl, total alkalinity and cyan combined Cl and cyanuric acid	nuric acid weekly d daily; total alk		
V N/A CPO/ Lifeguard certification of the composition of the certification of the certificat	icates Pool 15.4(6)h certified operator, lifeguard, fi ed Tests Pool 15.4(2)e g pool: ORP and pH at opening monthly and pH at opening and every ach fill; calcium hardness at ea	Spa 15 irst-aid, basic water resc (1)-(6) Spa 15 g and every 4 hours; free 2 hours; free Cl (Br) and ich fill. onthly. Pendin ncy/staff plans, GFI/back be closed if the water, te yses. es, & illness. s, including resupply of leaned or a filter cartridg ted at least 1x/month; d ided. It must be review uust be on-site. MSDS m of the facility shall be ke	.51(5)a ue, & CPR certificates for .51(2)e e CI (Br) 2x daily; combine d temperature 2x daily+; of wash records prepare exceeds 104°F chemical feed systems are was changed ates of tests shall be record ust be reviewed annually ept at the facility.	the facility staff shall be kepted CI, total alkalinity and cyan combined CI and cyanuric acid tool 15.4(6)	nuric acid weekly d daily; total alk Spa 15.51(5)	alinity we	

S Por	U N /SP/		SURROUNDING AREAS	
	First A	id Ki	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 & lisposable gloves. Where life guards are not present, the first-aid kit shall be prominently mounted in the swimming pool enclosure, or a signature its location shall be posted near the swimming pool.	gn
2.	Teleph	one	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 multiposted. If the emergency telephone is not located within the swimming pool/spa enclosure, management shall post a sign(s) indicating the occation of the emergency telephone.	
3. X	Electric	cal O	tlets Pool 15.4(4)m Spa 15.51(4)k Each electrical outlet on the deck & in the swimming pool/spa treatment equipment areas shall be equipped with a properly installed ground circuit interrupter (GFCI) at the outlet or at the breaker serving the outlet.	l fault
4. 🛛 💆	Signs (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 shallow end, No horseplay, No running on deck. 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	the
5. S	Spa Jet	X	r 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. F	Pool/Sp		Inting 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 unctional. Underwater lights operating at more than 15 V shall be equipped with a GFCI.	l be
7. X			Orainage/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 & ripping hazards.	
8. X	Clarity		Pool 15.4(2)c 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. X	Pool d		ess Pool 15.4(3)b - Spa 15.51(3)b A swimming pool/spa shall be clean.	
M,	Wate		Swimming pool & spa water levels shall be maintained at the skimming level.	
K	Color	(Wa	s, Bottom) Pool 15.4(4)i(1) The bottom & sides of a swimming pool shall be white or a light color.	
12.	Smoo	oth F	ish Pool 15.4(4)i(2) Spa 15.51(4) Swimming pool/spa walls & floors shall have a smooth surface.	
13.	Sharp X		gh Edges - Pool 15.4(4)k - Spa -15.51(4)i No sharp or excessively rough edges shall be present in or around the swimming pool/spa.	
14. XXXX	Gutte	ers/sl	mmers 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 nlets shall provide for uniform distribution of disinfectant residual. nlet openings shall be 1" diameter or less Pool 15.5(8)b. Spa 15.52(8)b	
16. XXX	Main	Drai	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. Orain covers shall not be removable without the use of tools.	

S	U		
17.	Boun	dary	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
X			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. X X X	Deptl		rkers - Pool 15.4(4)j: 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 D	iving	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.
20.	Slip F	Resist	tant Markers - Pool 15.4(4)j(6): Letters, numbers & graphics marked on decks shall be slip resistant.
21. X	Emer	genc	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 ² 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.
X			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.
Spa		XXXX	15.51(4)b 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.
23.	Lifegi	X	s and 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.	Startir	ng Bl	
25. X	Hose		- 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. X	Fenci		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.
		X	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		I/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. X	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.
X		Where lifeguards are not provided, gates/doors must be self-closing and self-latching.
	ing w Board	Pool 15.5(13)a 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. 	Suppo	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.
		des/Swimming Pool Slides
	Chute	tructure(s) - Pool 15.4(4)o: Water slide support structures shall be free of obvious structural defects.
	\exists	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. 	Landir	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).
WA	TER Q	ALITY
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.		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.	Test k	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. 🔀	Vacuu	Cleaner Pool 15.4(3)b(2) A vacuum cleaning system capable of reaching all parts of the pool bottom shall be provided.
W	TER T	EATMENT EQUIPMENT
	Circula	on 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. X	Disinf	ction/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.	Soluti	n 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. XXX	Chem	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. X	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.

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):
IOWA SMOKEFREE AIR ACT - Iowa Code § 142D: No violations observed (No evidence of smoking in prohibited areas, no ashtrays present, signs posted at entrances).

Disability regul	lations, including its ADA st	013 All recreation facilities, andards for Accessible Desic	covered by ADA v	vill be required to comply with the silable at http://www.access-	new Americans with
board.gov/recr	reation/guides/pools.htm.	n - tripping	THE LIST OF	trodenty area adrig 1 prod." o Mormaliya bankin bajdan si swai do-	
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This report inc If at any time	dicates the conditions of	the pool/spa at the time owing issues are present, t	of inspection and he pool/spa shal	l does not guarantee future con Il be closed until they are resolv	ditions or function. ed.
• The fi	ree chlorine measuremen	it is less than 0.6 ppm or it exceeds 8.0 ppm or the	the total bromin	e measurement is less than 1.0 rement exceeds 18.0 ppm.	
The cThe n	oH measurement is less th cyanuric acid measuremen main drain is not clearly v	nt exceeds 80 ppm. isible from the deck. (Thi	is can be caused	by problems such as poor wate	er clarity, surface
Two of Health disinf	h office should be contac	results for coliform bacter	The pool shall l	st positive result, the Story Cour and a second sample will be take be closed if the second sample i uirements are met.	II OHICE CHE
Pool/sparlebres	Add and a second a			6/9/15 Date	
County Represen	hy Baygl	inshi		69/5 Date	