

Public Swimming Pool Inspection Report

Health District:
EAST LIVERPOOL CITY HEALTH DISTRICT

Name of facility J. B. CARTWRIGHT MAIN POOL -and- J. BURCHFIELD CARTWRIGHT BABY POOL	Type visit <input type="checkbox"/> Standard <input checked="" type="checkbox"/> Re-inspection <input type="checkbox"/> Complaint <input type="checkbox"/> Epi Investigation <input type="checkbox"/> Consultation	Type pool <input checked="" type="checkbox"/> Pool <input type="checkbox"/> SPA <input type="checkbox"/> SUP	Setting <input checked="" type="checkbox"/> Wading pool <input type="checkbox"/> School <input type="checkbox"/> Indoor <input type="checkbox"/> Apartment/Condo <input type="checkbox"/> Other _____	<input type="checkbox"/> Zero Entry <input type="checkbox"/> Govt <input checked="" type="checkbox"/> Outdoor <input type="checkbox"/> Hotel/motel	Special feature (SF) <input type="checkbox"/> Kiddie slide <input type="checkbox"/> Playground slide <input type="checkbox"/> Rec slide <input type="checkbox"/> Water slide <input type="checkbox"/> Fountain <input type="checkbox"/> Other _____
Address 2205 THOMPSON PARK BOULEVARD					
City EAST LIVERPOOL OHIO 43920					

Insp date (mm/dd/yy) 8/11/2019	Insp Time 1 1/2 HRS	Travel Time 15MIN	ID no. AVP RS #1012	License no. POOL #1 & POOL #2
Surface area (sf) 11,000 SQ FT 1200 SQ FT	Required turnover rate (min) [ie 30]	Volume (gallons) 388,000 GAL MAIN POOL 5000 GAL BABY POOL	Required flow min: (gpm) [Volume/TRate]	

Check if in violation of the Ohio Administrative Code 3701-31-04 (A-E); NA= Not Applicable

<input type="checkbox"/> Flow measure reading (gpm)	<input type="checkbox"/> Max allow. filter flow: (gpm) [filter label]	<input type="checkbox"/> Max allow. flow: SF pump capacity (gpm)	<input type="checkbox"/> Max allow. flow: Jet pump capacity (gpm)
---	---	--	---

Critical violations (3701-31-04(B)(1)(a-f))

<input type="checkbox"/> (a) Outlet covers installed/secured/in compliance	<input type="checkbox"/> (d) Circulation/Disinfection system operating properly	<input type="checkbox"/> (g) Water clarity: (can see pool bottom)	<input type="checkbox"/> (j) Pool treated after RWI
<input type="checkbox"/> (b) SVRS devices functioning	<input type="checkbox"/> (e) Automatic chemical controller functioning properly	<input type="checkbox"/> (h) Natural or artificial light sufficient	<input type="checkbox"/> (k) Proper use/storage of chemicals
<input type="checkbox"/> (c) Disinfection residual as required	<input type="checkbox"/> (f) Lifeguards on duty	<input type="checkbox"/> (i) Fecal accident treated properly	<input type="checkbox"/> (l) No Electrical hazards present

Water Quality 3701-31-04 C, D

(Circle disinfectant used) Calcium Hypochlorite Di-Chlor **Monopersulfate (if present will interfere with DPD test kit results)	<input type="checkbox"/> (D)(6) Total Chlorine-Cl ₂ (ppm) 2.5ppm MAIN 2.5ppm BABY	<input type="checkbox"/> (C)(2) pH [7.2-7.8] 7.5pH MAIN 7.5pH BABY
Sodium Hypochlorite Tri-Chlor Bromine Salt	<input type="checkbox"/> (D)(6) Free Chlorine-Cl ₂ (ppm) [≥ 1; 2] 2.5ppm MAIN 2.5ppm BABY	<input type="checkbox"/> (C)(3) Alkalinity (ppm) [min 60] 80ppm MAIN 80ppm BABY
	<input type="checkbox"/> (D)(6) Combined-Cl ₂ / (ppm) [≤ 1] -0-ppm MAIN -0-ppm BABY	<input type="checkbox"/> (C)(6) Pool water temp [≤ 90°F] 75F MAIN 80F BABY
Secondary disinfection (circle if used) UV light (MJoules/cm ²) Ozone (ppm) Ionization: Copper-Silver (ppm)	<input type="checkbox"/> (D)(6) Total Bromine-Br ₂ (ppm) [≥ 2; 4]	<input type="checkbox"/> (C)(7) Spa water temp [≤ 104°F]
	<input type="checkbox"/> (D)(6) ORP/HRR (millivolts) [≥ 650]	<input type="checkbox"/> (C)(8) Spa water replaced every 30 days
	<input type="checkbox"/> (D)(5) Cyanuric acid (ppm) ≤ 70 60ppm MAIN 60ppm BABY	

Responsibilities of the Operator 3701-31-04

<input type="checkbox"/> (A) License is displayed or on file	<input type="checkbox"/> (B)(7) No domestic animals unless otherwise permitted	<input type="checkbox"/> (D)(9) Chemicals are manually added while bathers are not present
<input type="checkbox"/> (A) All construction or alterations of a pool done with approved plans	<input type="checkbox"/> (D)(1) No gas chlorine for disinfection	<input type="checkbox"/> (E)(1) Exclusion of people with obvious infectious wound or experiencing diarrhea/vomiting
<input type="checkbox"/> (B) All facilities are maintained clean, safe and sanitary condition and in good repair	<input type="checkbox"/> (D)(2) Pool is continuously disinfected by a feeding device connected to circulation system	<input type="checkbox"/> (E)(2) Safety equipment is visible and accessible
<input type="checkbox"/> (B)(2) Authorized representative available within 30 minutes	<input type="checkbox"/> (D)(3) Mixing tank for spray ground has disinfection	<input type="checkbox"/> (E)(3) Appropriate signs are posted
<input type="checkbox"/> (B)(3) Staff are knowledgeable of equipment and pool operation	<input type="checkbox"/> (D)(4) Secondary disinfection device is not adversely affecting water quality	<input type="checkbox"/> (E)(4) Lifeguards are provided and on duty as required
<input type="checkbox"/> (B)(4 & 5) Operational records maintained and on file	<input type="checkbox"/> (D)(7) Automatic chemical controller is functioning properly	
<input type="checkbox"/> (B)(6) All equipment maintained in clean, safe and sanitary condition and in good repair	<input type="checkbox"/> (D)(8) Test kit is maintained and complete	

THE ITEMS LISTED BELOW ARE IN VIOLATION OF OHIO ADMINISTRATIVE CODE CHAPTER 3701-31 AND MUST BE CORRECTED

Cite the specific rule number, explain where and what violation has occurred, and when the violation must be corrected.

Note(s): All violations have been corrected from the previous pool inspection that took place on 7/19/2019.

Note(s): Jim, I would recommend that you contact your salesman that you purchased your new teat kit from so that he can provide you either a web link to an instructional video that explains the proper use of that kit or perhaps your pool manager can locate an instructional video on YouTube that you both could viewed as a team.

REMARKS <input type="checkbox"/> See additional remarks on the attached form, HEA 5217 Re-inspection required? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No; Compliance date: _____	Sanitarian 	Phone 740-424-1077	Operator or Repres 	Phone 330-386-0643
---	----------------	------------------------------	------------------------	------------------------------

Abbreviated rule violations 3701-31-04 (this is not a comprehensive list)

3701-31-04(A) PLAN APPROVAL & LICENSURE.

Plan approval: req'd for new construction/alterations [05, 05.1]

Substantial alterations: change in basic design affecting safety, circulation system, deck; adds special feature; change perimeter barrier; replace circulation system; new/relocated dive stand; replace outlet(s) and line; replace > 50% of overflow system, return inlets or outlets & lines [05(C)]

(ENRR) Equip Replacement Notification Report: req'd to change pumps; disinfection feeders or type or disinfectant; filter(s) or type of filtration [05(D)(4)]

A1-License to operate: license req'd to operate/maintain a public swimming pool

A1-C-License renewal: existing pools shall apply in April for a license

A2-Authorization to inspect: the licensee shall not deny access to inspect a pool

A3-Compliance to the rules: No person shall violate the pool laws or rules(ORC/OAC)

3701-31-04(B) OPERATIONS. Pool/components/surrounding area maintained safe, clean, sanitary condition, good repair

B1-Critical items. Pool shall not operate when an imminent health hazard is present:

B1a-Outlet covers not installed/secured/in compliance

B1b-SVRS non-functional

B1c-Disinfection residual less than the req'd minimum

B1d-Circulation/disinfection system non-functional

B1e-Auto Chemical Controller non-functional

B1f-Lifeguard not on duty, as req'd

B1g-Water clarity insufficient

B1h-Natural or artificial light insufficient

B1i-Fecal accident occurs/documentated-pool closed until treated per Appendix A

B1k-Improper chemical use/storage

B1l-Electrical hazard suspect until in compliance

B2-3-Authorized/trained representative: staff knowledgeable, trained, available

B4-Recordkeeping: water quality, injuries, fecal accidents; staff certifications; maint records for SVRS/ auto chem. controllers

B5-Record retention: keep for at least two years available upon request

B6-Maintenance/repair. Equipment maintained safe, clean, sanitary, good repair per mfr. specifications; approved plans per rules

B6a-Pool structure watertight w/ cleanable surfaces; vinyl liner used for repair; pool interior surfaces white/ lane markers/logos, as approved

B6b-Replacement pipe per rule 5.1(C)(2)

B6c-Cross connection hazards prohibited; backflow prevention devices maintained, discharge lines/sumps open w/ air gap; equip floors free of standing water; no condensate added to pool, all these and pool discharge water per rule 5.1(E)

B6d-Spa drainage equip on site

B6e-Equip labels maintained or information on file

B6f-Turnover rates maintained per rule 5.1(F)(1); water quality maintained

B6g-Throttle valves maintained/ adjusted/labeled

B6h-Meters/gauges maintained per rule 5.1(F)(2)(b)(i)

B6i-Means of measuring flow properly installed for all pumps

B6j-SVRS devices functional/tested per rule 04(B)(4)(c)

B6k-Outlet covers installed/secured; skimmer equalizers w/covers/plugged

B6l-Secondary means of entrapment prevention, as approved: a second outlet drain; gravity flow w/unblockable cover; unblockable outlet cover w/sump; SVRS device

B6m-Sprayground mixing-holding tank per 5.1(Y)(2&3)

B6n-Water (operating) level per rule 01(BB)

B6o-Access ladders, steps, recessed steps, hand rails slip resistant/good repair

B6p-Deck surfaces clean, smooth slip resistant/no standing water/ hazards

B6q-Depth markers per rule 5.1(H)

B6r-Safety lines installed per rule 5.1(N); may be temporarily removed

B6s-Perimeter barriers maintained prior to these rules, installed per rule 5.1(O)

B6t-Equip/Chemical storage areas clean, no hazards; staff access only

B6u-Ventilation system good repair, no hazards per rule 5.1(R)

B6v-Electrical system good repair, no hazards per rule 5.1(S)

B6w-Lighting adequate during pool use per rule 5.1(T)

B6x-Sprayground spray pad free of accumulated debris

B6y-Chemicals stored in labeled containers/ properly used w/o hazards

B6z-Special features: slides, fountains, other water attractions in repair/per mfr specs

B6aa-Diving areas/components in good repair: alterations to equip per rule 5.1(K)

B6bb-Pools w/existing rec diving equip per rule 04(B)(6)(bb) & Appendix B

B6cc-Starting blocks in repair/inaccessible to public

B7-Domestic animals prohibited in pool/within barrier during regular swim season

3701-31-04(C) WATER QUALITY: testing frequency per rule 04(B)(4)(a)

C1-Approved water supply per rule 5.1(D)

C2-pH 7.2 to 7.8

C3-Total alkalinity > 60 ppm

C4-Total dissolved solids not to impair water clarity/ water quality per rule 04(C)

C5-Water clarity sufficient to see bottom of pool

C6-Pool water temperature < 90F, or as approved

C7-Spa water temperature < 104F

C8-Spa water replaced every 30 days

3701-31-04(D) DISINFECTION: testing frequency per rule 04(B)(4)(a)

D1-Gas chlorine is prohibited for pool disinfection

D2-Continuous disinfection thru a chemical feed device connected to the circulation system; imparts a measurable residual; no continuous hand feeding

D3-Sprayground mixing-holding tank disinfection to prevent bacterial growth

D4-Secondary disinfection systems do not affect chlorine-bromine free residual

D5-Cyanuric acid < 70 ppm; tested per rule 04(B)(4)(a)(vii)

D6-Disinfection residuals for various pools per table-rule 04(D)(6)

D7-Approved automatic chemical controllers (ACC) provided for every spa

D7a-ACC monitors pH & free disinfection residual by ORP

D7b-ACC displays pH & ORP values

D7c-Visual or audible alarm activated by unacceptable levels

D7d-Flow/pressure switches to detect no/low circulation flow & stop chemical feeders or via pump interrupter; tested per mfr specs. 1W. results recoded on records sheet

D8-Proper DPD test kit in repair, reagents fresh

D9-Chemicals shall not be added w/ bathers present; chemicals added automatically

D10-Bacteriological standards per rule 3745-81-27

3701-31-04(E) HEALTH AND SAFETY. Pool maintained in healthy/safe environment.

E1-Infectious/Communicable disease. Patrons w/ obvious infectious wounds/ vomiting/diarrhea, passing feces, urine or blood using pool.

E2-Safety equipment visible, accessible provided

E2a-Pools w/o req'd lifeguard w/ 12ft reach pole-Sheppard's crook, ring buoy, throw bag or same w/ safety line; spine board; provided all per rule 04(E)(2)

E2b-Pools w/ req'd lifeguard w/ 12ft reach pole-Sheppard's crook; ring buoy, throw bag or same w/ safety line; spine board w/ straps & head immobilizers

E2c-Safety lines provided per rule 5.1(N); reinstalled after temporary activities

E2d-Proper first aid kit provided

E2e-Primary phone, call box or device connected to power source provided within 500 ft of pool; emergency contact numbers provided per rule 04(E)(3)(c)

E3-Signs.

E3a-"Warning, No Lifeguard" sign provided as req'd

E3b-Pools w/o lifeguards provide signs per rule 04(E)(3)(b):

- "Swimming alone is not recommended"

- "Children must be supervised"

E3c-Emergency phone location sign posted when phone or device is not visible; emergency contact numbers provided

E3d-"Pool Closed" sign posted when pool is closed

E3e-Spa caution sign posted per rule 04(E)(3)(e)

E3f-Slide safety recommendations posted per rule 04(E)(3)(f)

E3g-Spray ground warning sign posted per rule 5.1(Y)(9)

E4-Req'd guards are on duty/ assigned an area w/ view of pool bottom

E4a-Pools < 6,000sf: No. of lifeguards matches the table in rule 04(E)(4)(a)

E4ai-Additional lifeguards req'd for the bather load/ pool activities

E4aii-Pool surface area available to patrons applies, and to rule 04(E)(B)

E4b-Pools > 6,000sf w/ a written lifeguard coverage plan per rule (E)(4)(c) and:

E4bi-Sketch of the pool w/ dimensions

E4bii-Location of lifeguard stations incl. special features

E4biii-Lifeguard scanning areas designated

E4biv-Amendments to the drawing for changes in bather load, swim practice, etc

E4bv-Revisions to pool area changes, added special feature, change in line of sight

E4c-Number of lifeguards is sufficient when:

E4ci-All pool surface areas and bottom, in use, always provide a clear line of sight; reachable within 20 seconds

E4cii-Each lifeguard can scan their assigned area within 20 seconds

E4civ-Bather safety can effectively be controlled

E4d-Elevated lifeguard stands provided other than for roaming lifeguards

E4di-Diving stands, in use, always require a lifeguard

E4dii-A zero depth or other similar area (0 to > 24") requires > 1 lifeguard

E4diii-Water slides > 10' requires a lifeguard to supervise/access landing areas

E4diii a-Multiple slide flumes, in use, may use only one lifeguard

E4diii b-Slides > 25' require a lifeguard in the landing area

E4diii c-Slides > 10' w/dispatchers, properly attired w/ contact to guard in landing area

E4diii d-Patrons height < posted restrictions may be tested for swimming proficiency

NOTE: when the fixtures in rule (E)(d) are not used and made inaccessible those guards may be relieved BUT at least one lifeguard is always required for the pool

E4e-Guards on duty shall:

E4ei-Capable swimmers/perform tasks per their certifications

E4eii-Responsible for bathers in assigned areas

E4eiii-Clear unobstructed view of pool bottom

E4eiv-Similarly attired/identifiable

E4ev-Prepared to enter water immediately

E4evi-Not engaged with swim classes/ coaching

E4evii-Rescue tube and CPR pocket mask, on person

E4eviii-Current-valid lifeguard training certificate

E4eix-Current-valid CPR training certificate w/pocket mask & bag valve

E4ex-Current-valid first aid training certificate

Water Chemistry—to adjust: add CHEMICALS SLOWLY to WATER in a pail; mix dilution, disperse into pool; test; repeat as needed.

To Hyper chlorinate (Whenever the combined chlorine value is over approx. 0.4 ppm): the amount of free chlorine to neutralize the combined = (.4) X 10 or 4.0 ppm (free chlorine)

To raise Chlorine (1ppm/10,000 gal of pool water): add 2 oz Calcium Hypochlorite (65%); add 10.7 fl oz Sodium Hypochlorite (12%)

To neutralize excess chlorine (1ppm/10,000 gal of pool water): add 1 oz Sodium Thiosulfate-carefully, or more chlorine will be required to off set the extra neutralizer

To LOWER Cyanuric Acid, Total Dissolved Solids (TDS), or Calcium Hardness: drain a portion or all of the pool.

To RAISE pH (.2 units/10,000 gal of pool water- based upon BASE demand test/ Alkalinity): add 6 oz of Sodium Carbonate (Soda Ash)

To LOWER pH (.2 units/10,000 gal of pool water, based upon ACID demand test/ Alkalinity): add 12 oz Muriatic acid or 1.0 lb. Sodium Bisulfate (dry acid)

To RAISE Alkalinity (10 ppm/10,000 gal of pool water): add approx. 1.5 lbs. Sodium Bicarbonate (Baking Soda)

To LOWER Alkalinity (10 ppm/10,000 gal of pool water): add approx. add 26 oz Muriatic acid or 2.15 lbs. Sodium Bisulfate (dry acid)

To RAISE Calcium Hardness (10 ppm/10,000 gal of pool water, based upon Calcium Hardness test): add .9 lbs Calcium Chloride Dihydrate (100%)