**WEEKLY POOL/ SPA OPERATION REPORT**

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<thead>
<tr>
<th>Name of facility</th>
<th>Address: Number &amp; Street</th>
<th>City</th>
<th>County</th>
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**Design**—see data sheet/approved plans; pre-op insp. report

**Type**
- Outdoor
- Indoor
- Pool
- Wading pool
- Dive Well
- Spa
- Special Use Pool
- Other

**Special Feature**
- Flume slide
- Rec. slide
- Speed slide
- Drop slide
- Kiddie slide
- Rain drop
- Wet Deck
- Flume slide
- Rec. slide
- Speed slide
- Drop slide
- Kiddie slide
- Rain drop
- Wet Deck

**Pool/ Spa Surface Area (sf)**

**Required Turnover Rate (gpm)**

**Max allow flow (gpm)**

**CHEMICAL READINGS:** First reading at opening

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<th>Total Chlor / TBr</th>
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**CHEMICAL ADJUSTMENTS-MAINTENANCE:** # = lbs; g = gals

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**Week beginning:**

**Sunday**
- Op
- am
- pm
- pH

**Monday**
- Op
- am
- pm
- pH

**Tuesday**
- Op
- am
- pm
- pH

**Wednesday**
- Op
- am
- pm
- pH

**Thursday**
- Op
- am
- pm
- pH

**Friday**
- Op
- am
- pm
- pH

**Saturday**
- Op
- am
- pm
- pH

HEA 5219 rev (06-04)
CALCULATIONS

1. Area = 20 ft X 40 ft (L X W) = 800 sf
2. Volume = 800 sf X 4 ft (avg depth) = 3200 cu ft x 7.5 gal/cu ft (constant) = 24000 gal
3. Flow rate = 24000 gal / 8 hr x 60 min/hr = 50 gpm *(the required turnover rate, see rules 04(C1) and 04.1(D)
4. Filter Max Flow = 3.14 sq ft (filter area) X 20 gpm/sq ft (filtrate. rate-NSF) = 63 gpm
5. Total Dynamic Head (TDH): the resistance to flow, within the pipes/fittings, the filter, and the heater, to move water; the typical swimming pool is ~ 50 ft TDH.
6. Pump capacity: based on pump curve, according to the following:
   a) Min. required flow rate = 50 gpm
   b) Max. allowable filter flow = 63 gpm
   c) If pump output exceeds a), but does not exceed b): the pump is properly sized*

*N- a throttle valve must be installed if the max. allowable filter flow is exceeded, to restrict pump capacity.

WATER CHEMISTRY

Test the pool/spa water; add WATER SLOWLY to chemicals (as needed) in a container; mix dilution with pool/spa water

To SUPERCHLORINATE whenever the Combined Chlorine value is over 2 ppm:
Combined Chlorine (C) X 10 = 4.0 ppm (Free Chlorine needed).

To raise chlorine 1ppm/ 10,000 gal of pool water:
Add 2 oz. Calcium Hypochlorite (65%): 2oz X 4 ppm = 8 oz.; or 40 oz./ 50,000 gal

To neutralize excess chlorine: Add 1 oz. sodium thiosulfate

To RAISE pH per 10,000 gal of pool water, based upon BASE demand test/ Alkalinity:
Add 6 oz. of sodium carbonate (Soda Ash)

To LOWER pH per 10,000 gal of pool water, based upon ACID demand test/ Alkalinity:
Add 1/2 oz. Muriatic acid; 1.0 lbs. 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 26 oz. Muriatic acid; Add 2.15 lbs. sodium bisulfate (dry acid)

To LOWER Cyanuric Acid or Total Dissolved Solids (TDS):
Drain a portion or all of the pool. Note: iso-cyanurates may leach into pool surfaces requiring additional cleaning/ drainage to reduce/remove the residual.

The Ohio Administrative Code requires the operator of a public swimming pool to prohibit patrons with obvious infectious wounds from using the pool as well as anyone observed passing feces, urine, or blood. The operator is also REQUIRED TO RECORD ALL injuries and fecal accidents. In the event of water borne illness contact your local health district; and the Ohio Department of Health, Bureau of Environmental Health, at 614.466.1390 and the Ohio Department of Health, Bureau of Infectious Disease Control at 614.466.0265.

FECAL/ BLOOD/ VOMITUS ACCIDENT REPORT If necessary, attach additional remarks and information

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Record contact information for ALL patrons involved

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INJURY ACCIDENT REPORT If necessary, attach additional remarks and information

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Description of accident-injuries

First aid administered

Medical authorities contacted

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Comments: