

# MN Swimming Pool Facility Inspection Checklist

\*Please Note: Refer to MDH Chapter 4717 regarding specific interpretations and requirements.

## Chemical Storage/ Handling

- Chemicals labeled/stored properly
- Chemical Safety Equipment (mask, goggles, gloves)
- HAZMAT Identification Diamond posted on chemical storage area door(s)
- Proper ventilation

## General

- Clean & sanitary pool area
- CPO Certificate (posted in pool area)
- Daily Pool Log
- Operations Manual
- Test Kit tests using DPD min.1, phenol red .2pH, methyl orange or = too, cyanuric acid concentrate
- Vacuum

## Main Drains/ Suctions

\*\*See [www.horizonpoolsupply.com](http://www.horizonpoolsupply.com) for more suction safety compliance information.\*\*

- MN Compliant:
  - Dual in parallel suctions (or) single unblockable cover (or) gravity drain system
  - AMSE/ANSI approved suction cover(s) w/ screws that meet manufacturer's specifications
  - Max. 1/2" gap anywhere on/around cover
- Federal Compliant:
  - Dual in parallel suctions (or) single unblockable cover (or) gravity drain system (or) Safety Vacuum Release System (SVRS)
  - AMSE/ANSI A112.19.8-2007 or VGB approved suction cover(s) with screws that meet manufacturer's specifications

## Pool Structure

- Coping/deck expansion joint caulked
- Coping in good condition w/ handhold
- Depth Transition Line: 6" minimum width; contrasting color; only required if pool floor changes slope
- Inlets: every 20' or less (15' w/ > 1,600 ft<sup>2</sup> surface area)
- Minimum 5' deck around pool w/ proper slope/drainage & no pooling water
- Skimmer w/ weirs (or) gutter
- Step Accent Lines: 1/2" - 2" width; contrasting color; leading edge only
- Step Size: min. 12" tread; max. 10" riser; non-slip
- Surface: smooth w/ white or light color
- Sufficient Lighting: 30 or 10 foot-candles depending
- Pool cover meets ASTM F1346-91 standard

## Signage

- 911 Emergency Number sign
- Emergency Phone Location
- Emergency Use Only (by safety equipment)
- No Diving (unless pool meets code for diving)
- No Lifeguard on Duty
- Pool Capacity
- Pool Rules (or equivalent)

## Spa

- Max Temp 104°F
- Free Chlorine at least 2.0ppm/Bromine 4.0ppm
- Spa Capacity sign
- Spa Rules sign
- Spa seat & step accent lines (1/2" - 2" width; contrasting color; leading edge only)
- Spa Timer (15 minute max)

## Equipment/ Plumbing

- Automated Disinfection Feeder (plumbed to all inlets)
- Filter Pressure Gauge
- Flow Rate (minimum \_\_\_\_\_)
- Inline Thermometer (req. w/ heaters only; installed after heater)
- Plumbing labeled
- Water feed (inline requires an RPZ valve; hose feeding requires a backflow preventer on the hose)
- Circ. System operates during swim season unless approved by commissioner

## Lifeguards

(Requirements if lifeguards are present)

- First Aid Kit
- Lifeguard Stations (> 2,250 ft<sup>2</sup> water surf.)
- Rescue Tube
- Spine Board
- Telephone in or adjacent to pool

## Safety

- Depth Markers: every 25' or less; 4" lettering min.; include FT & IN; accurate & contrasting color
- No Diving Markers: every 25' or less; required on every side and end; 4" lettering or symbol minimum
- Ladder(s): 3"-5" gap to wall; legs against wall
- Life Hook w/ 12' straight pole
- Ring Buoy w/ 1/4" nylon rope attached that is 1.5 x pool width & not more than 60'
- Step rails secure
- Chemicals secured & stored/labeled per manufacturer

## Security

- Controlled access to pool area
- Fence: 5' high, < 2" opening at bottom, < 4" opening elsewhere
- Gate(s): self closing, self latching, lockable, latches > 4' high
- Pool Lighting: 30 or 10 foot-candles depending on facility (see code)

## Water Chemistry/Testing

- Free Chlorine(FC) 1.0-10ppm (Spa 2.0 - 10.0ppm)
- Bromine 2.0-20ppm (Spa 4.0 - 20.0ppm)
- Min. FC 1ppm/Bromine 2ppm -If cyanuric acid 30ppm< or pH7.7< or Temp. 84<
- Combined Chlorine: 0.5 ppm =<
- pH 7.2 - 7.8ppm
- Alkalinity: At least 50ppm
- Cyanuric Acid: May not exceed 100ppm
- Water Clarity: bottom drains and floor clearly visible
- May not exceed 200 bacteria/ml or 100ml coliform o.

• Complete code books can be downloaded at •  
[www.horizonpoolsupply.com](http://www.horizonpoolsupply.com)





# Minnesota Pool Guidelines

Disinfectants Residual Types of Disinfectants	Swimming Pool		Spa/Whirl Pool	
	Range	Ideal	Range	Ideal
Free Available Chlorine	1.0 – 10.0 ppm	2.0 – 8.0 ppm	2.0 – 10.0 ppm	3.0 – 8.0 ppm
Combined Available Chlorine	No more than 0.5 ppm permitted		No more than 0.5 ppm permitted	
Stabilized Chlorine	1.0 – 10.0 ppm	3.0 – 8.0 ppm	2.0 – 10.0 ppm	3.0 – 8.0 ppm
Total Bromine	2.0 – 20.0 ppm	4.0 – 12.0 ppm	4.0 – 20.0 ppm	6.0 – 12.0 ppm
Calcium Hardness		200 - 400 ppm		150 - 250 ppm
pH	7.2 – 7.8	7.4 – 7.6	7.2 – 7.8	7.4 – 7.6
Alkalinity	60 – 150 ppm	80 – 120 ppm	60 – 150 ppm	80 – 120 ppm
Cyanuric Acid	100 ppm max.	0 – 30 ppm	100 ppm max.	0 – 30 ppm
Temperature		76° - 86°	104° max.	100° - 104°

**Clarity:** Bottom drain must be visible at all times

**Test Kits** (store test reagents in a cool, dry place away from light)

- DPD type test kit for free and total disinfectant residuals  
Must be able to read up to 10.0 ppm with 0.2 ppm accuracy  
Orthotolidine test kits are not acceptable
- pH test kit
- Alkalinity test kit
- Cyanuric Acid test kit (if using stabilized chlorine)

**Safety Equipment** (one of each unit per 2,000 square feet of pool surface area)

- Life Ring – with 3/16" rope attached, 1½ times width of pool, but not more than 60 feet
- Shepherd's Hook – with min. of 12 ft straight pole bolted to hook

Mount life saving equipment on conspicuous, readily accessible locations around the pool. Pools providing lifeguard service must have a First Aid Kit and Spine Board.

**Controlled Access to Pool** (fencing)

- Min. of 4 feet, non-climbable, with self-closing, latching gates
- Minimum of 5 feet high on new installations

**Depth Markings**

- Numerals, 4 inches high in contrasting color at 25' intervals and at changes in slope. Letters FT and IN follow numbers. Some localities require depth markings in water line also.
- "No Diving" on pool deck on all sides of the pool where diving is not permitted and spaced not more than 25 feet apart. Minimum 4 inches high in contrasting color.

**Slope Changes**

- Indicated by a band of contrasting color on the sides and bottom of the pool
- Minimum width 6 inches in a contrasting color

**Stair Markings**

- The leading edge of stair treads must be marked by a strip of dark contrasting color, ½ - 2 inches in width

**Daily Records** must include:

- Free Available Chlorine, Total Available Chlorine, pH, Total Alkalinity, Temperature, and Cyanuric Acid test results
- Volume or amounts of fresh water or chemical additions, flow rate, filter pressures, cleaning and maintenance of pool equipment, and any malfunctioning or problems with equipment
- Physical check of main drain and suction covers

## Required Warning Signs

- **"Pool Rules"**  
Must be prominently posted
- **"No Diving"**  
Where needed
- **"Pool Capacity"**  
Must be prominently posted
- **"Warning No Lifeguard on Duty"**  
(4 inch letters)
- **"Children shall not use pool without an adult in attendance"**  
(1 inch letters) Must be displayed at pools without lifeguard service
- **"For Emergency Use Only"**  
Must be posted above safety equip.
- **Emergency Instructions: 911**  
Or other instructions for emergency calls must be prominently posted
- **"Location of the nearest phone"**
- **"Spa Rules" and "Spa Capacity"**  
Where applicable

## Pool Operators

- Every swimming pool shall be operated under the direct supervision of a trained National Certified Pool Operator

## Chemicals

- Store covered in a cool, dry place
- Segregate acids, bases and oxidizers

## Cleanliness

- Pools and decks must be maintained in a clean, sanitary condition
- Daily maintenance is required



### MN POOL RULES SIGN

1. NO PERSON WITH OR SUSPECTED OF HAVING A COMMUNICABLE DISEASE WHICH COULD BE TRANSMITTED THROUGH THE USE OF THE POOL SHALL WORK AT OR USE ANY PUBLIC POOL.
2. A PERSON WITH ANY CONSIDERABLE AREA OF EXPOSED SUB-EPIDERMAL TISSUE, OPEN BLISTERS, OR CUTS MUST BE WARNED THAT THESE MAY BECOME INFECTED AND ADVISED NOT TO USE THE PUBLIC POOL.
3. ANY PERSON USING A PUBLIC POOL MUST TAKE A CLEANSING SHOWER USING WARM WATER AND SOAP AND THOROUGHLY RINSE OFF ALL SOAP BEFORE ENTERING THE POOL ENCLOSURE. A USER LEAVING THE POOL TO USE THE TOILET MUST TAKE A SECOND CLEANSING SHOWER BEFORE RETURNING TO THE POOL ENCLOSURE. A PERSON WHO EXERCISES, APPLIES LOTION, OR USES A SAUNA OR STEAM ROOM MUST SHOWER BEFORE USING THE POOL.
4. SPITTING, SPOUTING WATER FROM THE MOUTH AND BLOWING THE NOSE IN THE POOL IS PROHIBITED.
5. NO RUNNING OR BOISTEROUS OR ROUGH PLAY, EXCEPT SUPERVISED WATER SPORTS, IS PERMITTED IN THE POOL, IN DRESSING ROOMS OR SHOWER ROOMS, ON RUNWAYS, ON THE DIVING BOARD, OR PLATFORMS.
6. GLASSWARE AND SIMILAR MATERIALS WITH A TENDENCY TO SHATTTER ON IMPACT ARE NOT ALLOWED IN THE POOL ENCLOSURE AREA.
7. DOMESTIC ANIMALS ARE NOT PERMITTED IN THE POOL ENCLOSURE, SHOWERS, OR DRESSING ROOMS. *service dogs OK: on deck - cannot go in the pool. "the animal needs to leave because....."*

LOCATION OF EMERGENCY PHONE \_\_\_\_\_

LOCATION OF FIRST AID KIT \_\_\_\_\_

POOL HOURS FROM \_\_\_\_\_ AM TO \_\_\_\_\_ PM DAILY

## MN SPA RULES SIGN

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6. GLASSWARE AND SIMILAR MATERIALS WITH A TENDENCY TO SHATTER ON IMPACT ARE NOT ALLOWED IN THE POOL ENCLOSURE AREA.
7. DOMESTIC ANIMALS ARE NOT PERMITTED IN THE POOL ENCLOSURE, SHOWERS, OR DRESSING ROOMS.
8. PREGNANT WOMEN, SMALL CHILDREN, OR PERSONS WITH HEART DISEASE, DIABETES, HIGH BLOOD PRESSURE, OR LOW BLOOD PRESSURE SHOULD NOT ENTER THE SPA EXCEPT UNDER THE ADVICE OF A PHYSICIAN.
9. AVOID USE WHILE UNDER THE INFLUENCE OF ALCOHOL OR DRUGS.
10. EXPOSURE MAY RESULT IN NAUSEA, DIZZINESS, OR FAINTING. OBSERVE A REASONALBE TIME LIMIT.

LOCATION OF EMERGENCY PHONE \_\_\_\_\_

LOCATION OF FIRST AID KIT \_\_\_\_\_

SPA HOURS FROM \_\_\_\_\_ AM TO \_\_\_\_\_ PM DAILY

