NET HEALTH
NORTHEAST TEXAS PUBLIC HEALTH DISTRICT

**ENVIRONMENTAL HEALTH DEPARTMENT**
815 N. BROADWAY AVE.* TYLER, TX 75702 *PHONE: (903)-535-0037*FAX: (903)592-0413
WEB: WWW.MYNETHEALTH.ORG * EMAIL: ENVIRONMENTALHEALTH@NETPHD.ORG

**APPLICATION INSTRUCTIONS**: Welcome! Our goal at Environmental Health is to partner with you to ensure that your facility meets all regulatory health and safety requirements. Obtaining your Public Health Permit is the first step.

## INSTRUCTIONS

1. Please print, complete and return to the Environmental Health Department or submit the online application.
2. All fields must be completed. Enter *N/A* if a field is not applicable to the business. If the information entered is the same for multiple fields, such as the Billing Mailing Address, reenter that information – do not use "same as above."
3. Fill out the date of the application, first date that your facility starts or started operation, and indicate if this is application is for a NEW facility or for a Change of Ownership.
4. Check the type of business you are applying for. Applications can be found on our website at www.MyNetHealth.org.
5. Provide the business: name, address, phone, email, website, and hours of operation. The business email will be where inspection reports will be sent to and where Public Health may send communications.
6. Indicate the type of ownership and provide the owner's name(s), phone and email. Include an emergency contact.
7. Indicate if the billing address is the same as the business address. If not, provide the desired billing address.
8. Read all information in the Terms section and acknowledge by printing your name and signing the application.

## ADDITIONAL DOCUMENTS

The following documents must be submitted to process your request:

- ✓ Completed **Supplemental Checklist and Attachments** – FILL OUT THE POOL PLAN REVIEW CHECKLIST FOR PUBLIC POOLS AND SUBMIT WITH THE PLAN REVIEW APPLICATION
- ✓ ENGINEERED DRAWINGS for the aquatic facility
- ✓ ENGINEER's Preconstruction Letter
- ✓ Copy of the supporting documentation of the "person" who is legally responsible for the operation of the business:
  - **Sole Proprietor** or **Partnership** – a current driver's license, state issued identification card, or Foreign Consulate Identification Card for each owner
  - **Limited Partnership (LP)** - Certificate of Limited Partnership
  - **Limited Liability Partnership (LLP**) - Limited Liability Partnership (LLP) Registration
  - **Corporation -** Articles of Incorporation, including a list of the officers' names and titles
  - **Limited Liability Company (LLC) -** Articles of Organization
- ✓ For corporations, include copy of:
  1. **Employer identification Number (EIN) statement from IRS,** AND
  2. TX Secretary of State **Statement of Information**.
- ✓ Copy of **CERTIFIED POOL OPERATOR CERTIFICATE for registration.**

## SUBMISSION AND PAYMENT

The application(s), supporting documents, and payment can be submitted in person, by mail, or by email as noted below. Failure to submit the completed application and payment of the permit will impede the issuance of the permit or may result in the closure of the facility and may be subject to a penalty fees.

| Online | Mail | In Person |
|---|---|---|
| Customers can pay online using their Credit Card (Visa, MasterCard, American Express, or Discover), Debit Card. Please note that there is additional convenience fee charge using online payment. Contact us at **(903) 535-0037** or environmentalhealth@netphd.org for more information. | Send your Check, Cashier's Check, or Money Order, payable to the **NET Health**, to:<br>Environmental Health Department<br>815 N. Broadway Avenue<br>Tyler, Texas 75702 | Customers may make payments in person at Environmental Health office located at 815 N. Broadway Ave. Tyler, Tx. Acceptable forms of payment in-person include Cash, Check, Cashier's Check, Money Order or Credit Card with convenience fee.<br>Payments will be accepted between the hours of 8:00 am – 5:00 pm, Monday through Friday. |

*The Public Pool Permit, once issued, is nontransferable. A permit is only valid for the person, location, type of activity and time period indicated. Refunds may be considered only when funds are collected in excess, erroneously, or as double payment.*

## INFORMATION SECURITY

All owner personal information (phone, email) on applications is kept confidential. Do not provide a copy of your Driver's License or Identification through email unless you have received an encrypted email from a NET Health team member first. The subject line of the encrypted email will include this text: **[SECURE]**. Your documents can be submitted safely by replying to the **[SECURE]** email and attaching your documents.

# POOL PLAN REVIEW CHECKLIST INSTRUCTIONS

The purpose of this document is to help swimming pool design professionals and contractors understand the Environmental Health requirements to receive a pool permit, pass construction inspections, and pass final requirements to receive an operating permit for public swimming pools/spas in the NET Health.

NET HEALTH Environmental Health will use the checklist provided after this section to evaluate submitted plans and throughout the construction process. While we have made an effort to be comprehensive, the checklist is not all-inclusive and design professionals/contractors should refer to the actual rules and regulations for clarification.
For public swimming pools, these include:

- 2021 International Swimming Pool/Spa Safety Code (2021 ISPSC);
- 25 Texas Administrative Code 265 Subchapter L (Texas State Pool Rules);
- 25 Texas Administrative Code 265 Subchapter M (Texas PIWF Rules);
- NET HEALTH District Order 2024-1;
- Texas Health and Safety Code, Title 9, Subtitle A, Chapter 757

| **PLAN REVIEW ATTACHMENTS REQUIRED WITH APPLICATION SUBMITTAL**<br>**Sec. 265.183**<br>**NET HEALTH District Order 2024-1 Part 1. Section IV** | **Confirm Details Are in the Plan Review Application Submittal for Review** |
|---|---|
| Where there are conflicts between codes, the more restrictive code applies. | |
| Plans and specifications submitted to all departments (Building/Health/Fire) as applicable | |
| - Submit plan of entire project site/tract map, details of nearby structures | |
| - Submit plot plan, deck detail, pool enclosure detail, fence/gate/hardware details | |
| - Submit complete plumbing detail including riser diagram, gauges, pipe details, drains, etc. | |
| - Submit details for fill line, hose bibs, backflow prevention devices | |
| - Submit pool/spa structure details, entry/exit details | |
| - Submit details on depth markers, lights (in/out of pool), skimmers, returns, coping | |
| - Submit complete list of equipment with make/model numbers or specifications | |
| - Submit details on safety equipment, emergency phone, and signage | |
| - Plans/specifications submitted and stamped with seal of a professional engineer | |
| - Submittal includes engineer's Pre-Construction Certification Letter, signed and sealed | |
| No construction activity until Building/Health/Fire Depts approve plans. | |

The Engineer & the Swimming Pool Contractors should work closely with both NET HEALTH Environmental Health and any applicable Building Inspections department during the plan review and construction processes. Both NET HEALTH Environmental Health and Building Inspections as applicable will need to complete construction inspections during the construction process.

The NET HEALTH Environmental Health Department must complete the following construction inspections during the construction process:

- **Pre-gunite Inspection:** Generally, NET HEALTH Environmental Health verifies light/skimmer/return inlet placements and proper drain installation.

- **Pre-plaster Inspection:** Generally, NET HEALTH Environmental Health verifies proper step/tile/depth measurements, location and function of the emergency phone, fencing detail and compliance, safety equipment/signage.

- **Preliminary Inspection:** Occurs at least 7 days before construction is completed. NET HEALTH Environmental Health will perform a full pool inspection to address any issues that must be resolved prior to the final inspection.

- **Final Inspection:** This is the final construction inspection for the facility. NET HEALTH Environmental Health will perform a full pool inspection, including checking water chemistry.

# ENGINEER PRE-CONSTRUCTION CERTIFICATION OF AQUATIC FACILITIES

Prior to Construction the engineer must provide a signed and sealed pre-construction letter (submitted with the plans) to verify the plans were designed according to code specifically for this pool identified in this application.

Minimum Letter of Certification Content:

Business Name
Physical Address
Pool Builder Name & Contact Information
Business Owner Name & Contact Information

Statement certifying compliance with laws, rules and regulations. “I certify that I have reviewed the laws, rules, and regulations below. I also certify that the submitted plans, blueprints, and specifications for the above described aquatic facility and associated facilities are in accordance with good public health engineering practices and meet or exceed the requirements detailed in:

- ➢ 2021 International Swimming Pool/Spa Safety Code (2021 ISPSC);
- ➢ NET Health District Order 2024-1
- ➢ 25 Texas Administrative Code 265 Subchapter L (Texas State Pool Rules);
- ➢ 25 Texas Administrative Code 265 Subchapter M (Texas PIWF Rules);
- ➢ Texas Health and Safety Code, Title 9, Subtitle A, Chapter 757 (where applicable)

Where standards may vary, the more stringent standard applies. Furthermore, I certify the accuracy of the calculations that I am providing on the following page.

| | |
|---|---|
| Pool/Spa Volume Gallons | |
| Average Depth of Pool/Spa Gallons | |
| Designed Turnover Rate per Hour | |
| Designed Flow Rate Gallons per Minute | |
| Designed Total Dynamic Head Feet of Head | |
| Maximum Velocity in Suction Lines at Designed Flow | Feet per Second |
| Maximum Velocity in Return Lines at Designed Flow | Feet per Second |
| Pools/Spas with Grates (Add More Lines if Necessary to Show All Suction Outlets): | |
| Maximum Velocity at main drain grate (min. 24” diag.) at Designed Flow: | Feet per Second |
| Maximum Flow through Remaining Drain Grate with One Main Drain Blocked: | Feet per Second |
| Pools/Spas with Covers (Add More Lines if Necessary to Show All Suction Outlets): | |
| Maximum Designed Flow Rate at Main Drain with Approved Covers: | Gallons per Minute |
| Main Drain Cover Approved Flow Rate (Stamped on Cover) | Gallons per Minute |
| Maximum Flow through Remaining Drain Cover with One Main Drain Blocked | Gallons per Minute |

Engineer’s Full Name Engineer’s Seal with Signature
Engineer’s Address
Engineer’s Telephone Number
Engineer’s Email Address

Contact NET HEALTH Environmental Health at 903-535-0037 or Environmentalhealth@netphd.org with any questions.

# APPLICATION FOR PUBLIC POOL, SPA & AQUATIC FACILITIES PERMIT

Please fill out each section completely in order for NET Health to properly complete your account set up. See page 1 for instructions, list of required documents to be submitted with your application, and instructions for payment.

**Date of Application:** _____ **Select One:** ☐ New Business

**Planned Date of Opening:** _____ ☐ Change of Ownership

## BUSINESS TYPE

To the best of your ability mark the box that best describes the business on this property

| | | | |
|---|---|---|---|
| ☐ Apartment Complex | ☐ Hotel or Motel | ☐ Hospital | ☐ Youth Camp |
| ☐ Condominiums | ☐ Bed and Breakfast | ☐ Assisted Living | ☐ Athletic Complex |
| ☐ Home Owner Association | ☐ RV Park | ☐ Mobile Home Park | ☐ Child Care |
| ☐ Interim Housing Facility | ☐ Resort | ☐ School | |
| | | ☐ Other: _____ | |

## AQUATIC VENUE TYPE

A separate application is required for each body of water on Property

| | | |
|---|---|---|
| ☐ Indoor Pool | ☐ Leisure River | ☐ Therapy Pool |
| ☐ Outdoor Pool | ☐ Wade Pool | ☐ Competition Pool |
| ☐ Indoor Spa | ☐ Water Park | ☐ Surf Pool |
| ☐ Outdoor Spa | ☐ Splash Pad | ☐ Artificial Lagoon |
| | | ☐ Other: _____ |

## PROPERTY INFORMATION

**SUBDIVISION OR COMPLEX NAME** _____

| 911 Street Address | PARCEL ID # | City | Zip |
|---|---|---|---|
| | | | |

| PROPERTY OPERATED BY OWNER | IF LEASED, NAME OF PROPERTY LESSEE | LESSEE PHONE |
|---|---|---|
| ☐ YES ☐ NO | | |

**WATER UTILITY**

**PRIVATE WELL:** ☐ YES ☐ NO **TCEQ WELL PERMIT ID#:** _____

**PUBLIC WATER SYSTEM:** _____

**WASTE WATER DISCHARGE**

☐ SANITARY SEWER ☐ RETENTION POND ☐ IRRIGATION

☐ OTHER TCEQ APPROVED METHOD: _____

## OWNERSHIP INFORMATION

**Type:** ☐ Individual/Sole Proprietorship ☐ Partnership ☐ LP ☐ LLP ☐ Corporation ☐ LLC

| | Name | Phone | Email |
|---|---|---|---|
| ORGANIZATION : | | | |
| REGISTERED AGENT : | | | |
| OWNER 1 : | | | |
| EMERGENCY CONTACT: | | | |

## OWNER ADDRESS

| Street Address | Unit | City | State | Zip |
|---|---|---|---|---|
| | | | | |

## BUSINESS INFORMATION

**LEGAL NAME OF BUSINESS (DBA):** _____

| Business Mailing Address | Unit | City | Zip |
|---|---|---|---|
| | | | |

| Business Phone | Email Address (for Reports & Communications) | Website address |
|---|---|---|
| | | |

**Hours of Operation:** ☐ 24 Hrs.

Open: M:_____ T:_____ W:_____ Th:_____ F:_____ Sa:_____ Su:_____

Closed: M:_____ T:_____ W:_____ Th:_____ F:_____ Sa:_____ Su:_____

## BILLING INFORMATION

| | Name | Phone | Email |
|---|---|---|---|
| FINANCE DEPARTMENT | | | |
| BILLING CONTACT: | | | |
| EMERGENCY CONTACT: | | | |

WHAT IS YOUR PREFERRED METHOD TO RECEIVE EMERGENCY COMMUNICATION BY ☐ TEXT OR ☐ EMAIL

## BILLING ADDRESS

☐ Use business address for billing ☐ Send billing to address below:

| Street Address | Unit | City | State | Zip |
|---|---|---|---|---|
| | | | | |

## TERMS

I HEREBY SUBMIT THIS APPLICATION FOR A PUBLIC POOL PERMIT to conduct the above-mentioned business, occupation or other activity in accordance with the laws, ordinances, and regulations that are now or may hereafter be in force pertaining to the above- identified facility. I certify that I am the owner or authorized representative of this business and that all statements are true to the best of my knowledge. After issuance of the public health permit, I hereby consent to all necessary inspections conducted by the Northeast Texas Public Health District, Environmental Health Department.

I understand that Public Health Permits are not transferable and non-refundable. I understand that refunds may be considered only when funds are collected in excess, erroneously, or as double payment. I shall notify this agency in writing if I transfer ownership, discontinue operation or change the billing address. I understand that failure to do so may result in an obligation to pay additional penalties.

I understand that a failure to maintain a current Public Health Permit may result in the closure of the facility, pursuant to NET Health District Order & Texas Health and Safety Code.

I understand that any construction, alteration or repair, including, but not limited to, equipment changes or alterations, or change in method of operation requires review and approval by the Northeast Texas Public Health District, Environmental Health Department.

**Print Name:** **Title:**

**Signature:** **Date:**

## SIGNATURES

| | PRINTED NAME | Phone | SIGNATURE |
|---|---|---|---|
| APPLICANT : | | | |
| TITLE : | | | |

## OFFICE USE ONLY

| | | | |
|---|---|---|---|
| **Amount Owed:** | (To be determined by Specialist on date of approval) | **Payment Due By:** | **PERMIT #:** |
| **NET HEALTH FINANCE #:** | **FEE Description:** | **Billing Status:** | **Invoice #:** |

Proceed to complete the Plan Review Checklist

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# PLAN REVIEW CHECKLIST FOR PUBLIC SWIMMING POOLS, SPAS AND OTHER AQUATIC VENUES

*Notes:*

- *We have made an effort to provide as complete a checklist as possible, but this checklist is not comprehensive. Refer to the actual code. Contact NET HEALTH Environmental Health at 903-535-0037 or www.mynethealth.org with any questions.*

- *Some items of concern may be caught early if these items are inspected at the time of the Pre-Plaster inspection. Thus, some items listed to be inspected at Pre-Plaster may need to be inspected at Preliminary at discretion of inspector.*

| **CONSTRUCTION INSPECTIONS AND REQUIREMENTS THROUGHOUT THE PERMITTING PROCESS** | **DATE** |
|---|---|
| Copy of approved plans/specifications kept on site during the time of construction | |
| Static hydraulic pressure test completed prior to deck pour. | |
| **Schedule with NET Health – Pre-Gunite Inspection prior to gunite application/cement pour.** | |
| Before gunite pour, temporary or permanent fencing required to isolate excavation | |
| Permanent, non-climbable, compliant fencing required before pre-plaster | |
| **Schedule with NET Health – Pre-Plaster Inspection after gunite application** | |
| **Schedule with NET Health - Preliminary inspection (after plaster)** | |
| Submit to NET Health – Permit Application & Engineer's Post-Construction Certification Letter, signed and sealed | |
| Post Plumbing Schematic equipment room, Provide the Written Operational Instructions Manual | |
| **Schedule with NET Health - Permitting Inspection - Final construction approved and permit secured prior to operation.** | |

**The following pages must be verified during the plan review process. To help expedite the review please fill in the page number of the engineered drawing that each item can be observed. If the line item does not apply mark N/A in the blank.**

| **GENERAL CONSTRUCTION AND DESIGN** **TX DSHS Section 265.181** **2021 ISPSC Chapter 3, Sections 401, 405, 503, 602** | **Page in Plans** |
|---|---|
| Interior surfaces shall be smooth, watertight, easily cleanable, non-toxic, durable | |
| NSF Standard 50 conformances proven for equipment | |
| Earth not permitted as interior basin finish. Sand use meets 2021 ISPSC 307 | |
| Interior surface colors and finishes at least 6.5 or lighter on Munsell scale | |
| Colors/patterns/finishes shall not obscure objects/surfaces within the pool/spa | |
| Pools/Spas/Appurtenances designed to protect against damage from freezing | |
| Hydrostatic relief valve or system installed to prevent damage from ground water | |
| Interior footing surface shall be slip-resistant | |
| Obstructions and entrapment avoidance. Prohibits obstructions that may cause entrapment/injury. Details that types of entrapment include, but are not limited to, wedge or pinch-type openings and rigid, non-giving cantilevered protrusions. | |
| Pool shall be built in accordance with permitted construction tolerances | |
| Pool/spa shall be designed to meet anticipated user loads | |
| Walls intersect floor at angle/transitional radius. 2021 ISPSC 308 | |
| At depths ≤ 3 ft, transitional radius <6", tangent to wall, tangent / intersect floor | |
| Slope of floor may vary in limited areas where access for persons with disabilities provided | |
| Slope of the floor in the shallow area of a Class C pool shall not exceed 1v:10h (10% slope) | |

| GENERAL CONSTRUCTION AND DESIGN (CONTINUED) | Page in Plans |
|---|---|
| Slope of floor in shallow area of a Class B pool shall not exceed 1v:12h (8% slope) | |
| Slope of floor from point of first slope change to the deep area < or = Iv:3h units (33% slope) | |
| Slope of floor for spa shall not exceed 1:12. Depth change indicated on multilevel floors. | |
| Floor slope in only Class A pools determined by the accrediting authority for competition | |
| Activity Pools > 4 ½ ft deep have distinctive floor marking at the depth of 4 ½ ft depth. | |
| A pool > 5 ft deep has a rope and float line 1 ft on the shallow side from 5 ft depth mark | |

| **UNDERWATER SEATING** **2021 ISPSC Section 402, 411, 610** | **Plans in Plans** |
|---|---|
| Horizontal surface not greater than 20" below design water level | |
| Unobstructed seating surface, between 16 inches and 22 inches deep, & >26 inches wide | |
| Seating surface < 28 inches below water line | |
| Located outside diving envelope | |
| Visually separated by a contrasting colored stripe (3/4 inch to 2 inches ) along leading edge | |
| Must have a slip-resistant surface | |
| Shall not be used as required entry/exit access | |
| Only located in areas < 5 feet pool depth | |
| Horizontal surfaces underwater seat/benches shall be at/below waterline. | |

| **WATER LOUNGES** **2021 ISPSC Section 402, 411, 610** | **Page in Plans** |
|---|---|
| Visually set apart by a 1-inch solid or broken stripe on leading edge of bench, contrast color | |
| Located outside of diving envelope | |
| Have slip-resistant surface | |
| Be located in shallow areas of the pool only | |
| Horizontal surfaces underwater seat/benches shall be at/below waterline. | |

| **UNDERWATER REST LEDGES** **2021 ISPSC Section 404** | **Page in Plans** |
|---|---|
| Must be slip-resistant | |
| Only provided in water ≥5 ft. and ≤ 4 ft. below water level | |
| Visually set apart by a 1-inch solid or broken stripe on leading edge of bench, contrast color | |
| Uniform horizontal width of the ledge between 4 inches and 6 inches | |

| **ISLANDS** **TX DSHS Section 265.195** | **Page in Plans** |
|---|---|
| Island not designed/intended for walking on by users—signs stating "No Entry", 2" letters | |
| Demarcation tile minimum 4" height, positioned in the top 4 ½ inches of island wall just under coping | |

| **DECKS** **TX DSHS Section 265.194** **2021 ISPSC Section 306, 406** | **Page in Plans** |
|---|---|
| Entries/exits/walkways/decks/etc. comply with accessibility/disability access laws. | |
| Deck or unobstructed access must be provided for ≥90% of pool perimeter. | |
| Structure, design & Installation compliant with IBC and local building codes | |
| Clearance. No less than 4 feet width around all equipment including side & rear of diving area | |
| Decks/ramps/coping/steps/etc shall be slip resistant | |
| Pool/spa deck may serve as part of the circulation path | |
| Decks between pools/spas must have minimum width of six feet | |
| Class A pool decks must conform to sanctioning body's requirements. | |
| Class B pool decks - ≥ 6 ft. wide, unobstructed | |
| Class C pool/spa decks - ≥ 6 ft. wide, unobstructed | |
| Diving Platforms/Structures/Etc.—unobstructed deck - ≥ 4 ft. wide | |
| Decks shall be sloped to drain to perimeter areas or to deck drains | |

| | |
|---|---|
| Deck slope ≤ ½ inch per foot except for ramps. Wood or wood/composite decks shall be not greater than ¼ inch per foot. | |
| Drainage removes water without leaving 1/8" standing water after 20 minutes | |
| Maximum gaps between decks/walkways/adjoining decks ≤ ¾" | |
| Difference in vertical elevation between deck and circulation path ≤ ¼" | |
| Isolation joints provided/installed to be water tight/prevent damage/in compliance with rules | |
| Edges of decks shall be radiused, tapered, or designed to eliminate sharp corners | |
| Deck step risers shall be uniform, height 3 ¾" to 7 ½" , tread depth ≤11" | |
| Decks with 3 or more risers shall be provided with a handrail | |
| Valves/etc. under decks accessible/provided with slip-resistant, secured access cover(s) | |
| Hose bibs with backflow prevention provided for rinsing entire deck, not >150 feet apart | |
| Water powered equipment shall have dedicated hose bib water source or valve | |
| No landscaping/planters permitted on pool or spa decks | |

| **ENTRY/EXIT** | **2021 ISPSC Sections 307, 411, 610** | **Page in Plans** |
|---|---|---|
| ≥ 2 entry/exits: 1 at shallow area/end & 1 at deep area/end. | | |
| Entry/exit structures and devices for persons with disability not counted. | | |
| Spas required to have minimum of one entry/exit. | | |
| Pools with width >30 feet, 1 entry/exit required on each side of the deep area (≤ 82 feet apart) | | |
| Located outside of diving water envelope | | |
| Areas with water depths ≤24" considered natural entry/exit, except wading pools | | |
| Sloping entry slope ≤ 1v:10h (10% slope) | | |
| Bench entry vertical riser ≤ 12 inches. | | |
| Vertical drops ≥ 12 inches shall be provided with handrail | | |

| **BEACH/ZERO-DEPTH/SLOPING ENTRY/EXIT** | 2021 ISPSC Sections 411,604, 610 | **Page in Plans** |
|---|---|---|
| Exceptions for beach entries in wave/surf/vortex/activity pools, PIWFs, and leisure rivers | | |
| Slopes of beach entries used as required entry/exits shall not exceed 1:12 (8% slope) | | |
| For benches: vertical riser height shall not exceed 12 inches | | |
| For steps: Must be compliant with rules for steps | | |
| Zero-depth trench drains located at static water level or other skimming systems | | |
| Beach & walking surface ≤ 36 inches shall be slip resistant | | |

| **STEPS/STAIRS** | **2021 ISPSC Sections 411, 610** | **Page in Plans** |
|---|---|---|
| Tread depth (horizontal run) ≥ 10 inches, unobstructed | | |
| Tread width ≥ 24 inches, unobstructed surface area ≥240" | | |
| Riser height ≤ 12 inches (bottom riser may taper to zero) | | |
| Vertical distance from coping/deck/etc. to uppermost tread ≤12" | | |
| If stairs in water depths >48", lowest tread > 48" below deck, recessed into wall | | |
| The leading horizontal & vertical edge outlined with contrasting tile or permanent marking. Line width between 1 to 2 inches. The underwater steps and marks shall be slip-resistant. | | |
| Step handrails required at any pools with lifeguard mandate. | | |
| Handrails corrosion-resistant, cannot be removed without tools; treads slip-resistant | | |
| Gutters can act as a step if gutter has grating/cover and is fully compliant | | |

| **HANDRAILS** | **2021 ISPSC 306, 322, 323, 402,411** | **Page in Plans** |
|---|---|---|
| Deck Steps with >3 risers equipped with a handrail | | |
| Handrails compliant with federal/state/local requirements for accessibility | | |
| Top gripping surface of handrails 34-38" above ramp/step surface | | |
| Leading edge of handrails for stairs/entries/exits within 18" of vertical face bottom riser | | |
| Outside handrail diameter from 1.25-2 inches | | |
| Made of corrosion-resistant materials. | | |

| | |
|---|---|
| Secured and installed only to be removed with tools | |

| **LADDERS** **2021 ISPSC Sections 322, 402, 610** | **Page in Plans** |
|---|---|
| Corrosion-resistant, anchored securely to deck, bonded in accordance with NEC | |
| Handrail on each side of ladder treads. | |
| Ladder handrail distance is between 17 inches to 24 inches. | |
| Uniform distance between ladder treads is between 7 inches to 12 inches. | |
| Maximum vertical distance from coping to top tread is 12 inches. | |
| Ladder step tread minimum horizontal depth of ≥2 inches. | |
| Wall clearance between pool/spa wall and ladder 3-4 inches | |
| Ladder treads slip-resistant | |
| Locate outside of the minimum diving water envelope as applicable | |

| **RECESSED TREADS** **2021 ISPSC Sections 322, 411,610** | **Page in Plans** |
|---|---|
| Maximum vertical distance from coping to top tread is 12 inches. | |
| Step depth ≥ 5 inches. | |
| Step width ≥ 12 inches. | |
| Uniform vertical spacing of 7-12” between treads, measured from centerlines | |
| Slip-resistant, easily cleaned, drain into the pool or spa. | |
| Handrails and Grab Rails for Recessed Treads—Shall be provided, one on each side of the treads. Clear distance between handrails/grab rails 17-24” | |

| **STARTING PLATFORMS** **TX DSHS Sections 265.190, 265.195 2021 ISPSC 307, 406** | **Page in Plans** |
|---|---|
| Located at water depth of ≥5 ft. or meet requirements of accrediting body for competition | |
| Tread surfaces of platforms slip-resistant | |
| Only used during competition or when direct supervision from coach/qualified instructor | |
| Removed or secured when use is not directly supervised | |

| **SWIMOUTS** **2021 ISPSC Sections 411,610, 809** | **Page in Plans** |
|---|---|
| Located completely outside water current/wave action | |
| Unobstructed horizontal surface, horizontal depth of ≥11 inches | |
| Unobstructed surface area of tread ≥240 inches | |
| If used as entry/exit, steps compliant with rules for Pool Steps | |
| 2021 ISPSC 411.5.1 Horizontal surface shall not be >20 inches below waterline. | |

| **WADING POOLS** **Sec. 265.181 2021 ISPSC Sections 311, 405, 608** | **Page in Plans** |
|---|---|
| Have separate dedicated filtrating system | |
| ≥ 2 means of entry and exit at each end of the pool. | |
| If edge has areas >9” depth, those areas not considered entry/exits | |
| Slope of floor shall be uniform and sloped. Slope maximum of 1v:12h (8% slope) | |
| If edge has areas ≤ 9” depth, slope of zero level deck entries shall not exceed 1v:12h (8% slope) | |
| Distance from top of deck to waterline must be ≤6” | |
| Maximum depth no greater than 18 inches. | |
| No submerged suction outlets. Skimmers/overflow gutters handle 100% circ. flow rate | |

| **DIVING FACILITIES** **Sec 265.184** | **Page in Plans** |
|---|---|

| | |
|---|---|
| **NET Health District Order 2024-1Section VIII, 2021 ISPSC Chapter 4** | |
| Many specific rules and diagrams for this—See 2021 ISPSC | |
| 2021 ISPSC 406.8.5 Guardrail provided for diving equipment >39" in height | |

| **WATERSLIDES AND FLUMES** **TX DSHS Sec 265.184, 265.195 2021 ISPSC Chapter 4** | **Page in Plans** |
|---|---|
| Installed according to manufacturer's instructions/licensed engineer's specifications | |
| Planned and designed by a licensed engineer if not pre-manufactured – submit details | |
| Slides must meet ASTM F2376 and ASTM F2461 | |
| Shall comply with Texas Occupations Code, Chapter 2151, if applicable | |
| Shall comply with CPSC Standard for Swimming Pool Slides in Title 16 CFR 1207 | |

| **WAVE POOLS** TX DSHS Sections 265.194, 265.195 **2021 ISPSC Sections 313, 411, Chapter 6** | **Page in Plans** |
|---|---|
| Entry at Beach end only | |
| Exits at beach end, sides or end wall allowed | |
| A rope & float line installed according to manufacturer's instructions. Restricts bather access to the wave pool caisson wall | |
| ≥ 2 Emergency shutoff switches, immediately stop wave generation, one on each side of wave pool. | |
| Emergency shutoff switch(es) clearly marked & accessible to lifeguards | |
| Deck depth markers required at side or end wall. Exception at zero-depth entry | |
| Caisson barriers required, shall have no openings that allow passage of a 4" sphere | |

| **LEISURE POOLS** TX DSHS Section 265.195 2021 ISPSC Chapter 3, Chapter 6 | **Page in Plans** |
|---|---|
| Handrails for steps/propulsion jets shall not protrude into the leisure river | |
| Obstructions allowed on deck if they do not impact lifeguarding/sight lines/rescue operations | |
| Depth markers required on each side of the sidewalls of each entry/exits to leisure river. | |
| If depth is consistent, depth markers not along channel, in the landscape, where there is no deck | |
| Number of entry/exits determined by designer | |

| **MOVABLE FLOOR POOLS** TX DSHS **Section 265.195** | **Page in Plans** |
|---|---|
| Must have a sign indicating movable floor and varied water depth. | |
| Use of starting platforms prohibited when water depth <5 feet | |
| Surface of floor slip-resistant if intended for installation in water depths <5 feet | |
| Use of movable floor portion of pool not open to users when floor is being used or lowered | |

| **SURF POOLS** TX DSHS S**ections 295.194, 265.195** | **Page in Plans** |
|---|---|
| Float line required to restrict access to the caisson wall if required by manufacturer | |
| Wave caisson barriers provided, do not allow passage of 4" sphere. | |
| If forced air used for waves, caisson barriers not required unless manufacturer recommends. | |
| Typical float lines to separate shallow/deep ends of pool not required for surf pools | |
| In addition to lifeguard requirements, lifeguards provided with additional equipment to reach deepest area of surf pool during an emergency. This equipment accessible, labeled "For Lifeguard Use Only", available whenever surf pool is open and used for surfing. | |
| No surfer enters the surf pool unless tethered to the surf board, wearing a USCG-approved PFD, or a lifeguard is in the surf pool in the surfing area directly supervising surfing activity. | |
| Non-surfing users are not allowed to enter surf pool wave areas >5 ft depth without USSC- | |

| | |
|---|---|
| approved PFD when waves are being generated | |
| Access shall be at shallow or beach entry end with exception of ADA designated entry point | |
| Minimum two emergency shutoffs provided, clearly marked, readily accessible to lifeguards | |
| Emergency shutoffs immediately stop wave generation | |
| | |
| **SPAS** **Section 265.190** **2021 ISPSC Chapter 5** | **Page in Plans** |
| Maximum water depth for spas shall be 4 feet as measured from design water level | |
| Maximum water depth for exercise spas shall not exceed 6 feet 6 inches | |
| Maximum water depths of seats/sitting benches 28" from design water line to deepest point | |
| Floor slope ≤ 1:12 (8.3% slope). Multilevel floors must indicate change in depth | |
| Spa decks minimum 6 feet wide between pool & spa comply with all other requirements for decks | |
| Emergency shutoff switch to disconnect power to circulation/jet system pumps & air blowers | |
| Emergency switches accessible to users, within sight of spa, located 5-10 feet from spa | |
| 2021 ISPSC 504.1.1 Alarms for Emergency Shutoff Switches. Emergency shutoff switches shall be provided with an audible alarm rated at not less than 80 decible sound pressure level and a light near the spa that will operate continuously until deactivated when the shutoff switch is operated. | |
| 2021 ISPSC 508.1 Where an automatic controller is installed on a spa or hot tub for public use, the controller shall be installed with an automatic pH and an oxidation reduction potential controller listed and labeled in compliance with NSF 50. | |
| Return and Suction Fittings. Designed, tested/labeled and installed in accordance to ISPSC Chapter 5 | |
| Equipment. Installed according to manufacturers specs ( air blowers, fittings, lights, etc) | |
| Timer. The hydrotherapy jets shall have a cycle timer with a max setting of 10 minutes. The timer shall be located not less than 5 feet from pool wall and within sight of the spa | |
| Break-resistant thermometer designed for use in spa environment available for patrons/staff | |
| Depth Markers. Not less than 2 depth markers regardless of shape or size conspicuous from points of entry. | |
| - Slip Resistant, permanent, color contrasting tile or marking with a minimum of 4 inches font height on deck and vertical side wall of spa and include unit of measure "FT", "IN" or "Feet", "Inches" | |
| - Spacing of Depth markers not more than 25 food intervals for large spas | |
| - Depth markers on deck within 18 inches of spa waterline, and to be read while standing on the deck facing the water | |
| NO DIVING marker and symbol. Approved No Diving markers and symbol required along side deck depth markers and No Diving symbol on any structure above pool deck within 5 feet of water surface. No diving symbol or marker not required on vertical pool wall markings. | |
| Clock. Public facilities with a spa shall have a clock that is visible to spa users. | |

| **CIRCULATION SYSTEM (GENERAL)** **2021 ISPSC Chapter 3,4,6** | **Page in Plans** |
|---|---|
| Aquatic Recreation Facilities. Circulation systems shall circulate treated and filtered water for 24 hours a day. Reduced circulation rate during closed times shall not be zero. | |
| Circulation system designed with sufficient flexibility to achieve a hydraulic apportionment that will effectively distribute treated water throughout the pool. | |
| Wading pools and spas have separate and independent filtering systems | |
| Circulation system components accessible for inspection/repair/replacement | |
| Circulation system components installed to manufacturer's specifications | |
| Equipment and piping installed to manufacturer's instructions | |
| Complete, easily readable schematic of circulation system posted in pump room | |

| **TURNOVER** **2021 ISPSC Chapter 3, 407, 604** | **Page in Plans** |
|---|---|

| | |
|---|---|
| Turnover rate for Class A/B/C pools—1.5 times average depth, not to exceed 6 hours | |
| Wading Pool – Turnover rate in hours = 1 | |
| When existing pools/spas renovated, they must comply with new turnover rates. | |
| Aquatic Recreation Facilities. Have a turnover rate compliant with chart on 2021 ISPSC 604.2 | |

| **FLOW VELOCITY** **2021 ISPSC Chapter 3** | **Page in Plans** |
|---|---|
| Maximum suction system flow rate--in accordance with ANSI/APSP/ICC-7 &ANSI/APSP-16 | |
| All water velocity calculations shall be based on the design flow rate specified for each recirculation system. | |
| Suction piping water velocity <or = 6fps | |
| Return water velocity < or =8fps | |

| **PIPING, GAUGES, FLOW METERS, VALVES** **2021 ISPSC Chapter 3** | **Page in Plans** |
|---|---|
| Static hydraulic pressure test required before deck is poured and maintained throughout pour. Air pressure testing prohibited. 2021 ISPSC 311.9 | |
| Piping/fittings listed/labeled to comply with NSF 14/ Installed according to 2021 ISPSC 311.4 & 311.4.1 | |
| Piping capable of complete drainage or evacuation. (freeze damage) | |
| Suction outlet fitting assemblies APSP 16 compliant | |
| Gauges: Located in the following areas: pump suction, filter inlet, filter outlet. | |
| Flow meter(s) provided for filter flow during filtering | |
| Labeled circulation piping with function and flow direction. | |

| **FILTERS, BACKWASH** **2021 ISPSC Chapter 3** | **Page in Plans** |
|---|---|
| Filtration required for all pools/spas that recirculate water | |
| Wading pools and spas have separate and independent filtering systems | |
| Filter meets ANSI/NSFI Standard 50 requirements, using appropriate filter media | |
| Design. Filter is properly designed/installed for pool/spa. | |
| Internal Pressure. Pressure-type filters provided with means to release internal pressure. | |
| Air Release. Filter equipped with automatic and manual air release devices. | |
| Filter operating parameters/instruction plate affixed to unit. | |
| Separation tanks. Manual method of air release, lid allowing for slow/safe release | |
| Filters/separation tanks with operation/maintenance instructions permanently installed | |
| Observable free fall or sight glass on backwash piping. | |
| Sight glasses are removable for cleaning, if used. | |
| Filters designed for backwashing, used and maintained to manufacturer instructions. | |
| Properly plumbed utility sink for washing cartridge filters or means to capture D.E if applicable | |

| **PUMPS AND MOTORS** **TX DSHS Sec. 265.185** **2021 ISPSC Chapter 3** | **Page in Plans** |
|---|---|
| Pump not operated under unsafe conditions. | |
| Installation. Pump certified/listed/labeled with NSF Standard 50, installed to manufacturer's instructions | |
| Performance. Pump motor sized to meet filter flow rate requirements. | |
| Intake Protection. Strainer, skimmer basket or screen installed upstream of pump. | |
| Isolation Valves. Installed on suction side and discharge side if pump is below pool elevation | |
| Pumps/motors accessible for inspection and service | |
| Motors shall comply with UL requirements. | |
| Motors able to operate at 90-110% nameplate rating voltage load | |
| Thermal/current overload protection required | |

| GENERAL SUCTION OUTLETS AND COVERS 2021 ISPSC Chapters 3, 4 | Page in Plans |
|---|---|
| Entrapment avoidance. Designed to protect against suction entrapment, entanglement, and evisceration. | |
| Fully submerged suction outlets not required, skimmers not considered suction outlets | |
| Testing and Certification. Approved suction outlet covers/grates/fittings/components, listed and labeled in accordance with ANSI/APSP-16 & ANSI/ APSP-7 | |
| Cover is stamped or specifications submitted showing compliance/maximum flow rate | |
| Flow rate through fitting/cover/grate ≤ approved stamped flow rate if one outlet blocked | |
| Wading Pools shall not have suction outlets | |
| Dual/multiple suction outlets provided, hydraulically balanced. | |
| Suction outlets located at least 3 feet apart | |
| No means of isolating suction outlets allowed that would allow single suction outlet | |
| Pipes that serve two or more suction outlets may have shut off valve | |
| SVRS/APSS operated/tested/maintained to manufacturer instructions, Records kept 2 years | |
| Installation. Suction fittings sized and installed according to manufacturers specifications. | |
| | |
| **VACUUM OUTLETS 2021 ISPSC Chapter 3** | **Page in Plans** |
| Vacuum outlets installed ≤12" below water level | |
| Vacuum outlets protected by self-locking, self-closing cover, can't be opened by pool users. Vacuum outlets in skimmers not required to have a separate cover | |

| RETURN INLETS 2021 ISPSC Chapter 3 | Page in Plans |
|---|---|
| Pools--1 return inlet for every 300 square feet $ft^2$ | |
| Spas—1 return inlet for every 250 $ft^2$, minimum 2 inlets | |
| Installation. According to manufacturer specifications. | |
| Adequate in number and design and location to provide effective distribution of treated water | |
| Wall return inlets spacing < 20 feet, measured along perimeter waterline | |
| Floor return inlets required for pools >50ft wide. Spacing between inlets < 20ft. If pool only has floor inlets they must be within 15 ft of perimeter waterline. Where wall and floor inlets are used in combination, floor inlets shall be < 25 feet from nearest side walls. | |

| SKIMMER/GUTTER SYSTEMS Sec. 265.193 2021 ISPSC Chapter 3 | Page in Plans |
|---|---|
| Skimmers/Gutter systems designed and installed as listed and labeled as NSF 50 | |
| Skimmer equalizer lines prohibited, skimmers vented to atmosphere via openings in lid | |
| Skimmer sizing. Skimmers provided one per 500 $ft^2$ for pools. Spas, one provided per 150 $ft^2$ | |
| Skimmer covers securely seated, slip-resistant, to withstand normal use, not tripping hazard | |
| Skimmer system capable of 100% of circulation system flow. | |
| Perimeter type surface skimmer systems provided for **≥** 50% of pool perimeter. | |
| Permimeter type surface skimmer system surge capacity **≥** one gallon per $ft^2$ pool surface area. | |
| 2021 ISPSC 308.4 Design waterline ± ¼" with adjustable weir skimming surface systems, ±1/8" with nonadjustable skimming surface systems | |
| Exceptions. Class D pools & spa skimmers listed and labeled in UL1563 | |

| ELECTRICAL REQUIREMENTS ISPSC 2021 Chapter 3 TX DSHS Sec. 265.186 | Page in Plans |
|---|---|
| Electrical equipment installed per NFPA 70-2020 | |
| Electrical system must be installed/repaired/replaced/maintained by licensed electrician | |
| Electrical equipment design UL or equivalent approved. | |
| Equipment/components installed in compliance with manufacturer's instructions | |
| GFCI protection on lighting | |

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| GFCI protection of all plugs in pool/spa yard enclosure | |
| GFCI protection on all outlets in dressing or sanitary facilities | |
| GFCI and circuit breakers shall comply with NFPA 70 | |
| Pump motors both internally and externally grounded | |
| Pools bonded in accordance with NFPA 70 or with UL 1563 as applicable | |
| Plastic coated rebar prohibited | |
| Electrical conduits shall not enter or sealed/inert inside interior chemical storage spaces | |
| Lights protected against breakage inside interior chemical storage spaces | |
| Overhead lines elevated over pool/spa in compliance with NEC and NESC | |
| Electrical disconnect within sight of equipment and ≥ 5' from pool/spa walls | |

| **LIGHTING** **TX DSHS Sec. 165.190 2021 ISPSC Chapter 3** | **Page in Plans** |
|---|---|
| Artificial lighting required 30 minutes before/after sunrise if open in dark | |
| Lighting must illuminate bottom of pool/suction outlets, enable lifeguard visibility | |
| Adequate illumination from artificial lighting to pass Secchi disk test | |
| Pool and spa deck lighting required, listed/labeled/installed to NFPA 70 | |
| Outdoor pools must meet at least 10 horizontal foot-candles/108 lux at pool water surface | |
| Indoor pools must meet at least 30 horizontal foot-candles/323 lux at pool water surface | |
| Deck area must meet at least 10 horizontal foot-candles/108 lux at deck walking surface | |
| Underwater lighting in pools/spas at least 8 lumens per square foot of pool water surface area | |
| | |
| For underwater lighting fixtures/lamps rated in watts, at least 0.5 watts/$ft^2$ required | |
| Certain exceptions for underwater lighting | |
| Dimmable/color changing lighting allowed but lowest level must meet minimum requirements | |
| Emergency lighting required for pools/spas that operate in periods of low illumination 2021 ISPSC 321.3 | |
| Security lighting must be sufficient to illuminate pool during low illumination/during closure | |
| Renovated pools/spas must meet new lighting requirements | |

| **HEATERS** **2021 ISPSC Chapter 3,6** | **Page in Plans** |
|---|---|
| Heaters/hot water storage tanks listed and labeled in accordance with standards in 2021 ISPSC 316.2(1) &(2) | |
| Means shall be provided to monitor water temperature | |
| Access prohibited. Public access to heater controls prohibited | |
| Solar thermal water heaters specifically installed/listed/labeled, compliant 2021 ISPSC 316.6 | |
| Sizing. Heaters sized in accordance to manufacturer's specifications | |
| Installation. Heaters shall be installed according to manufacturer's specifications & the IFGC, IMC, IECC, NFPA 70 as applicable. Solar water heating systems installed according to IMC. If manufacturer requires, automatic device installed to ensure pump continues to run after heater shuts off | |
| Fuel-fired and electric appliances for spas—2021 ISPSC 506 | |
| Heaters **≥** 200K BTU Texas Dept. of Licensing/Regulation certified. | |
| Temperature. A means shall be provided to monitor water temperature | |

| **WATER SUPPLY** **2021 ISPSC Chapter 3 TX DSHS Section 265.187** | **Page in Plans** |
|---|---|
| Makeup water. Water supply from a potable water source | |
| Private water supplies must be a method approved by NET Health | |
| RPZ backflow preventer or approved air gap required on all fill lines for backflow prevention | |
| Over-the-rim fill spout: no trip hazard; ≤ 2" beyond edge of pool; pliant end-piece, air gap | |
| Hose bibs in enclosure must have vacuum breakers | |

| FACILITY DRINKING WATER | TX DSHS Section 265.187 | Page in Plans |
|---|---|---|
| Drinking water fountain/bottled water/etc. provided and available for pool/spa users | | |
| Faucet/spigot/sink does not fulfill drinking water requirements | | |
| When drinking water not located in enclosure, sign with minimum 1" letters required in enclosure, visible to users, that states location of drinking water | | |

| WASTEWATER DISPOSAL | TX DSHS Sec. 265.188<br>2021 ISPSC Chapter 3 | Page in Plans |
|---|---|---|
| Backwash to approved sewage disposal system (i.e. sanitary sewer) or other NET Health approved manner | | |
| No direct connection between pool/spa/equipment and sewage disposal system | | |
| Backwash/drainage water discharged through approved air gap (minimum 2X pipe diameter) | | |
| 2021 ISPSC 320.2 Water salvage—backwash water not returned unless treated/approved | | |
| Post treatment required for wastewater that does not meet sanitary sewer/stormwater discharge standards (i.e. diatomaceous earth, etc.) | | |
| Wastewater/stormwater disposal must meet all other federal/state/etc. requirements | | |

| DISINFECTION EQUIPMENT, CHEMICALS, FEEDERS | TX DSHS Sec. 265.306<br>Sec 265.189<br>2021 ISPSC Chapter 3 | Page in Plans |
|---|---|---|
| Disinfectant with residual required | | |
| Treatment chemicals certified/listed/labeled to approved standards/used properly | | |
| Use of compressed chlorine gas prohibited | | |
| Automated/remotely managed controllers for pool/spa disinfection and pH control can be used | | |
| Disinfection equipment selected/installed for continuous and effective disinfection | | |
| Supplemental Treatment allowed. Supplemental Treatment on PIWFs must meet TXDSHS 265.309 | | |
| Hand distribution of chemicals prohibited while users are in the pool | | |
| After hand distribution of chemicals, tests of disinfectant levels/pH required 30 minutes after distribution. No one may reenter pool/spa until levels are checked and within required range | | |
| Chemical feeders must meet and be operated in compliance with NSF Standard 50 | | |
| Chemical feeders installed/maintained/operated in accordance with manufacturer instructions | | |
| Chemical feeders installed so that chemicals introduced downstream from filter/heater; at a point lower than the heater outlet fitting or according to manufacturer instructions | | |
| Failure-proof features installed so that chemicals cannot feed into pool/spa/equipment/etc if equipment or power fails | | |
| Chemical feed pumps wired so they cannot operate unless adequate return flow to properly disburse chemical; regulated to ensure constant feed with varying supply backpressure | | |
| Water treatment chemicals shall be EPA-registered for use in pools/spas under FIFRA | | |
| Cyanuric acid not allowed in indoor pools/spas or in therapy pools | | |
| 2021 ISPSC 508.1 Where an automatic controller is installed on a spa or hot tub for public use, the controller shall be installed with an automatic pH and an oxidation reduction potential controller listed and labeled in compliance with NSF 50. | | |

| HANDHOLDS | 2021 ISPSC Chapter 3 | Page in Plans |
|---|---|---|
| If water depth below waterline >42" and no seat or bench, swimout-installed handholds required | | |
| Handholds not required for wave action pools, surf pools, and leisure rivers | | |
| Handholds located ≤12" above design waterline, horizontally spaced ≤4' apart | | |

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| May be coping, rope, railing, rock, ledge, ladder, or stair step | |
| | |
| **FLOAT LINES AND FLOOR MARKINGS** **TX DSHS Sections 265.190 & 265.195 2021 ISPSC Chapter 6** | **Page in Plans** |
| Rope and float line provided to<br>- Separate Activity areas<br>- Identify water depth > 4 ½ feet in constant floor slope (Class D-2 pools)<br>- Provided between 1 and 2 feet on the shallow water side of the 5-foot depth<br>- Floats secured (no bunching) & spaced at not greater than 7-foot intervals<br>- Float line stretched and of a size to provide a good handhold and strong enough to support loads normally imposed by users;<br>- Wall anchors secured to wall, recessed or removable and have no projection that will constitute a hazard when the line is removed.<br>- Made of corrosion-resisting materials | |
| Rope location. 1 foot toward the shallow end in each location required. | |
| Size. Rope and float line not less than 5/8 inch in diameter. Polypropylene material. | |
| Wave pool, Surf pools, and waterslide landing pools exempted from providing float line | |
| Caisson wall rope and float line required. Class D-1 pools. Installed according to Manufacturer Instructions. | |
| Floor Tile in Class B & C Pools. Transition point from shallow to deep shall have a 4-inch min. width row of floor tile, painted line, or similar means of color contrasting with bottom | |
| | |
| **DEPTH MARKERS** **TX DSHS Sec. 265.195 2021 ISPSC Chapter 4** | **Page in Plans** |
| Numbers and Letters. | |
| - Depth markers and units of measurement (FT, IN, M) ≥ 4 inches letter height | |
| - Units of measurement spelled “feet”, “inches”, “meters”, or abbreviated as “FT”, “IN”, “M” | |
| - Color shall contrast with the background they are applied. | |
| - Must be permanent. May be metal tiles/letters, ceramic tiles, engraved concrete with letters and numbers filled in with Lithochrome enamel paint. | |
| Must not be located on deck above entry/exits including steps, ladders, recessed treads, water lounges, and beach entries | |
| Where Required.<br>- Provided at minimum and maximum water depths<br>- At all points of slope change. Not to exceed 2 feet.<br>- At intervals around the deck, not to exceed 25 feet | |
| Uniform Distribution. Depth markers distributed uniformly on both sides/both ends of the pool. | |
| Deck depth markers slip-resistant, within 18” of water’s edge. | |
| Marking of Depth. Vertical pool wall markers plainly and conspicuously posted in the top 4.5 in. of pool wall just under coping. Exception (Vanishing edge and rim flow gutters) | |
| Depth Accuracy. Indicates actual pool depth within +/- 3 inches from normal operating water level. Measured 3 feet from the pool wall or at tangent point of cove radius whichever is deeper. | |
| Position on Deck. Depth marker on vertical pool wall positioned to read from waterside. Visible to allow as much of the number to be visible above waterline as possible. | |
| Not required on wave pool or surf pool decks. | |
| Spas shall have at least two depth markers, uniformly placed, meet other requirements | |
| Movable Floor. Sign indicating movable floor and varied water depths | |
| Depth marker rules for leisure rivers—See TX DSHS Section 265.195 | |

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| **“NO DIVING” MARKERS—WORDS/SYMBOL** **TX DSHS Sec. 265.190** | **Page in Plans** |
| “NO DIVING” words and international symbol marked on pool deck in contrasting colors | |

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| Must be permanent, slip-resistant; diving symbol must be black or red on light background | |
| Must not be located on deck above entry/exits, including steps/ladders/recessed treads/water lounges/beach entries | |
| "NO DIVING" and international symbol (4 inch letters) on deck where water depth ≤ 5 ft | |
| Must be spaced at least every 25 feet of deck where water depth ≤5 ft | |
| At least 2 warnings including the "NO DIVING"/Intl Symbol provided at extreme ends of minimum depth and at extreme ends of maximum depth, or on each of the longer dimensional sides of the pool | |
| Within 18 inches of water's edge and positioned correctly (readable when standing on deck facing the water) | |
| Deck "NO DIVING"/Symbol markers not required for spas. | |
| "NO DIVING" markers not required on interior tile line of pool/spa | |
| Located on permanent structures above the deck and within 5' of water surface, unless structure is diving board/diving platform/ADA-compliant chair lift/slide flume/lifeguard stand/bridge | |

| **POOL SIGNAGE REQUIREMENTS** **Sec. 265.190**<br>**2021 ISPSC Sections 412, 508, 611** | **Page in Plans** |
|---|---|
| Securely mounted, durable, inside the pool enclosure, visible, legible, have distinct border | |
| Can be multiple signs or messaging combined on one sign | |
| Where majority non-English speaking, additional signs optional in predominant language | |
| Additional signage required at discretion of any local city ordinance as applicable | |
| ***Following Signs in 4" Letters:*** | |
| "WARNING - NO LIFEGUARD ON DUTY" (NA where lifeguards required/ provided) | |
| "NO DIVING" and international symbol. (NA where lifeguards required/provided) | |
| "IN CASE OF EMERGENCY, DIAL 911" (4" letters) | |
| ***Following Signs in 2" Letters:*** | |
| Directions to & Locaion of Emergency Phone if Phone Not Visible in Pool Yard | |
| Maximum user load limit | |
| "PETS IN THE POOL/SPA ARE PROHIBITED" | |
| "DO NOT SWIM IF YOU HAVE BEEN ILL WITH DIARRHEA WITHIN THE PAST 2 WEEKS" | |
| "CHANGING DIAPERS WITHIN 6 FEET OF THE POOL IS PROHIBITED" | |
| "GLASS ITEMS NOT ALLOWED IN THE POOL YARD" | |
| "PERSONS UNDER THE AGE OF 14 MUST NOT BE IN THE POOL/SPA WITHOUT ADULT SUPERVISION" | |
| "EXTENDED BREATH HOLDING ACTIVITIES ARE DANGEROUS AND PROHIBITED" | |
| ***Following Signs in 1" Letters*** | |
| Hours of Operation | |
| Instructional signs for wave pools/slide pools/etc. | |
| Sign posted to identify emergency phone/summoning device (posted above) | |
| If drinking water not located in enclosure, sign to notify users of location of drinking water | |
| Precise property address / location of the pool on or with the emergency phone (address, directions, GPS location, or building #, etc) | |
| ***Following Signs in Any Size Letters:*** | |
| Clear operating instructions posted at emergency phone/summoning device | |

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| Emergency shutoffs for pools clearly labeled | |

| **SPA SIGNAGE REQUIREMENTS** **TX DSHS Section 265.190** **2021 ISPSC Sections 412, 508, 611** | **Page in Plans** |
|---|---|
| Securely mounted, durable, and visible from inside the spa enclosure, legible | |
| Can be multiple signs or messaging combined on one sign | |
| Where majority non-English speaking, additional signs optional in predominant language | |
| Additional signage required at discretion of any local city ordinance as applicable | |
| ***Following Signs in 4" Letters:*** | |
| "WARNING - NO LIFEGUARD ON DUTY" (NA where lifeguards required/ provided) | |
| ""NO DIVING" and international symbol for NO DIVING." | |
| ***Following Signs in 2" Letters:*** | |
| Precise property address / location of spa on or with the emergency phone | |
| **SPA SIGNAGE REQUIREMENTS (CONTINUED)** | **Page in Plans** |
| **Location of the nearest emergency phone or device** | |
| "EMERGENCY SPA SHUTOFF" | |
| "PERSONS UNDER THE AGE OF 14 MUST NOT BE IN THE POOL/SPA WITHOUT ADULT SUPERVISION" | |
| "PETS IN THE SPA ARE PROHIBITED" | |
| "DO NOT SWIM IF YOU HAVE BEEN ILL WITH DIARRHEA WITHIN THE PAST 2 WEEKS" | |
| ***Following Signs in 1" Letters*** | |
| Maximum User Load | |
| "DO NOT USE THE SPA IF THE WATER TEMPERATURE IS ABOVE 104 DEGREES FAHRENHEIT" | |
| Sign posted to identify emergency phone/summoning device (posted above it) | |
| If drinking water not located in enclosure, sign to notify users of location of drinking water | |
| ***Following Signs in Any Size Letters:*** | |
| The following statements shall appear on a sign that is posted in a location that is visible from the spa: "Alarm indicates spa pumps off. Do not use spa when alarm sounds and light is illuminated until advised otherwise." | |
| Operational signs for spas:<br>(1) "Do not allow the use of or operate spa if the suction outlet cover is missing, damaged, or loose."<br>(2) Check spa temperature before each use. Do not enter the spa if the temperature is above 104F(40C)<br>(3) "Keep breakable objects out of the spa area."<br>(4) "Spa shall not be operated during severe weather conditions."<br>(5) "Never place electrical appliances within 5 feet of the spa."….<br>(6) No diving | |

| **CHEMICAL STORAGE ROOM SIGNAGE** **2021 ISPSC CHAPTER 3** | **Page in Plans** |
|---|---|
| OZONE SIGN. Where applicable a sign shall be posted on the exterior of the entry door stating "DANGER GASEOUS OXIDIZER - - OZONE" | |
| All doors opening into chemical storage spaces shall be equipped with permanent signage:<br>- A warning against unauthorized entry<br>- Statement of the expected hazards<br>- Statement of the location of the associated data sheet forms<br>- Product chemical hazard NFPA chart | |

| **EQUIPMENT ROOM** **2021 ISPSC CHAPTER 3** | **Page in Plans** |
|---|---|

| TX DSHS Section 265.189 | |
|---|---|
| Requirements. Floor concrete or other durable slip resistant material with positive drainage sloped to floor drain or sump. No standing water. Minimum of one hose bibb with backflow preventor in or easily accessible for cleaning. | |
| Construction. Room sized to comfortably house all equipment & provide working space to perform routine operations and equipment service. | |
| Separation from Chemical Storage Spaces. Adequate separation required to<br>- Prevent impeding access to work space around equipment.<br>- Prevent exposure of equipment to corrosive chemical fumes or vapors<br>- Provide adequate isolation, separation & management from combustion, air handling or electrical equipment | |
| Doors. Compliant with Chapter 3 of 2021 ISPSC or other applicable building codes | |
| Indoor Aquatic facility access.<br>- Doors have automatic closure and lock<br>- Floor sloped back into the equipment room<br>- 4" drop or dike in equipment room to prevent leakage of spills into aquatic facility.<br>- Building construction provides gaskets around doors and any other opening to prevent fumes from entering indoor aquatic facility | |
| Lighting. Minimum of 30 foot-candles (323LUX) at floor level | |
| Electrical wiring. Compliant with NFPA 70 | |
| Ventilation. Equipment room provisions include:<br>- Combustion requirements for suppression<br>- Heat dissipation from equipment<br>- Humidity from surge or balance tanks<br>- Ventilation to the outside<br>- Air Quality<br>- Windows. If provided are tempered glass or plastic | |

| SAFETY EQUIPMENT — TX DSHS Section 265.190, 191; 2021 ISPSC Chapter 4 | Page in Plans |
|---|---|
| Reaching poles/ring buoys/throw ropes visible/readily accessible from all areas of enclosure | |
| Accessory Pole (Shepherds crook): ≥12 ft long, non-conductive, non-telescoping pole. | |
| USCG Ring Buoy with outside diameter ≥ 24 inches. & attached rope ¼ to ⅜" diameter. | |
| 2021 ISPSC 409.2.4 Throwing rope must have length of 1.5X length of pool or 50 feet, whichever is less. (More restrictive than State code; more restrictive standard applies). | |
| Provide 1 set of safety equipment for every 2000 $ft^2$ water surface up to 6000 $ft^2$ | |
| After 6000 $ft^2$, provide 1 additional set of safety equipment for each additional 4000 $ft^2$ | |
| First Aid Kit. Class A/B/C required to have accessible first aid kit | |
| For facilities with lifeguards: backboards with 3 tie down straps/head immobilizer, enough for 2 min response | |
| For facilities with lifeguards: 24-item first aid kit meets OSHA standards | |
| For facilities with lifeguards: one portable AED kept in secure location, easily accessed | |
| For facilities with lifeguards: one BVM kept in secure location, easily accessed | |
| For facilities with lifeguards: platforms/stands required where water depth >5 ft, equipped with sunshade/umbrella that does not obstruct view of surveillance area | |
| For facilities with lifeguards: each lifeguard has uniform, rescue tube with rope/strap, whistle or signaling device, PPE including resuscitation mask with one-way valve/non-latex and non-powdered single-use disposable gloves in hip pack or attached to rescue tube | |

| TELEPHONES/EMERGENCY SUMMONING DEVICES — TX DSHS Section 265.190; NET Health District Order 2024-1 | Page in Plans |
|---|---|
| Minimum one emergency summoning device/phone | |
| Readily accessible, within 200 ft unimpeded feet of water, functions when open/all times in | |

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|---|---|
| operating season | |
| Clear operating instructions for use of device/phone posted | |
| Identifying sign posted above phone/device in minimum 1” letters | |
| Must not call on-site office (some exceptions for remote areas with trained staff) | |
| Must contact 911 dispatch/24-hour emergency monitoring service/EMS | |
| Cell phones used as emergency phones labeled/ activated/ have permanent power supply | |

| **POOL YARD ENCLOSURES** **TX DSHS Section 265.192** **2021 ISPSC Chapter 3** | **Page in Plans** |
|---|---|
| Enclosure required around all pools/spas, enclosure may surround multiple pools/spas | |
| Height ≥ 4 feet from the ground surface on the outside of the fence (6’ if in city limits of tyler) | |
| Vertical clearance from grass or gravel to bottom of the barrier < or = 2” | |
| Vertical clearance from concrete or other solid surface to bottom of the barrier< or = 4” | |
| Vertical clarance between top of poo/spa and the bottom of the barrier < or = 4” where barrier is mounted on the top of the pool or spa. | |
| Openings in the barrier shall not allow passage of a 4” sphere | |
| Solid barriers shall have no protrusions or indentations that form handholds or foot holds. | |
| Mesh barrier other than chain link. Shall be installed according to manufacturer instructions &<br>- Bottom of the mesh shall be not more than 1” above the deck or installed surface/grade<br>- Max vertical clearance from the bottom of the mesh fence & solid surface can’t be lifted to a gap larger than 4”<br>- Designed and constructed to prevent passage of a 4” sphere.<br>- Attachment device shall attach each barrier section at a height > 45” above grade.<br>- Where a hinged gate is used with a mesh fence, the gate shall comply with ISPSC 305.3<br>- Patio deck sleeves placed inside the patio surface shall be nonconductive | |
| Setback for mesh fence. > or = 20’ from nearest edge of the water | |
| Closely spaced horizontal members.<br>- Where distance between tops of the horizontal members is < 45”, horizontal members must be located on the pool side & spacing between vertical members shall be <1 ¾” or (1143mm).<br>- Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1 ¾” | |
| Widely spaced horizontal members.<br>- Where distance between the tops of the horizontal members is > or = 45”, spacing between vertical members shall not exceed 4”<br>- Where there are decorative cutouts within vertical members, the interior width of the cutouts <1 ¾” | |
| | |
| Diagonal Members. Where barrier is composed of diagonal members, the max opening shall be < 1 ¾”. The angle of the diagonal members shall be not greater than 45 degrees from vertical. | |
| Clear Zone. Nothing located within 36” from the outside of the barrier enclosing pool, Such as pool equipment, light pole, planters, tree branches, etc. | |
| Specific rules for wading pools enclosures—See State Pool Rules<br>ISPSC | |
| Class A, B, and Youth Camp Pools/Spas— TX DSHS 265.192(b) | |
| Enclosures for pools/spas inside a building. If chain link used, mesh < or = 1 3/4” mesh | |
| | |
| Constructed so persons must pass through gate/door to access pool/spa. Gates/doors exiting a pool/spa yard must open outward into public area/ walkway accessible by all users. | |
| Propping open gates prohibited. | |

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| Service gates/doors must not be used as entry/exit, not required to be self-closing/self-latching, and must be kept securely closed/locked when not in actual use. | |
| The gate or door must be locked if the pool or spa is closed for repairs, hazards, weather related hazards, adding chemicals by hand, or any other condition that warrants closure of the pool or spa. | |
| A building that serves as part of the enclosure must have doors or gates that open into the pool or spa yard only if:<br>- Any doors or gates between the building and the pool or spa yard are for entry into a storage room, restroom, shower room, dressing room, or mechanical room adjacent to the pool or spa; and<br>- The room does not have any door or gate openings to the outside of the pool yard or spa yard enclosure. | |
| The enclosure, including doors and gates, must be designed and constructed so that it cannot be easily climbed and:<br>- Have a minimum effective perpendicular height of at least 6 feet as measured from the ground surface on the outside of the enclosure;<br>- Have no openings in the enclosure, either through or under it, which would allow passage of a 4-inch sphere;<br>- Have no horizontal mid-rail and be designed and constructed so that it cannot be readily climbed;<br>- Have all doors and gates in the enclosure directly and continuously supervised by staff at the pool during hours of operation or locked to prevent unauthorized entry; and<br>- Have no windows in the enclosure lower than 6 feet from the ground as measured from outside of the enclosure that can be opened. | |
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| *Class C Apartments, Condominiums, & HOA Pools/Spas Enclosures TX H&S 757* | **Page in Plans** |
| Completely encloses pool/spa | |
| Height ≥ 4 feet from the ground surface on the outside of the fence (6' city limits of tyler) | |
| No openings UNDER which a (4") diameter sphere can pass | |
| (45") or more between tops of horizontal members - No openings through which a (4") diameter sphere can pass | |
| Less than (45") between tops of horizontal members - No openings through which a (1.75") diameter sphere can pass | |
| Chain link fencing prohibited | |
| Decorative designs or cutouts on/ in enclosure: □ **NO** openings greater than (1.75") in any direction | |
| No large indentations/protrusions in a solid wall on the side away from the pool | |
| No permanent equipment/ structures constructed/placed that makes them readily available for climbing over the enclosure. | |
| Self-closing, Self-latching device; able to be locked, opens outward away from the pool yard | |
| Latch (60") off ground or higher, OR | |
| Latch LOWER than (60") off ground IF:<br>(1) Latch is on pool side<br>(2) Latch is 3" or more below top of gate, AND<br>(3) o opening greater than 1/2" in any direction within 18" from the latch; OR | |
| Latch (42") off ground or higher if the gate can ONLY be opened by a key, card, or combination on both sides of the gate. | |
| No doors or windows in enclosure that open to outside the pool enclosure (prohibited) | |

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|---|---|
| *Other Class C Pools/Spas (i.e. Hotel/Motel, etc.)* | **Page in Plans** |
| Height ≥ 4 feet from the ground surface on the outside of the fence (6' city limits of tyler) | |
| Openings in or under enclosure do not allow passage of 4-in diameter sphere. | |
| No objects placed within 36 inches from outside of fence, tree limbs kept trimmed | |

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|---|---|
| Chain link enclosures not allowed. | |
| *Enclosure with horizontal and vertical members constructed or replaced on or after January 1, 2021, must have no horizontal mid-rail and be constructed so that it cannot be easily climbed. The distance between horizontal members of the fence that is 48 inches in height must not be less than 45 inches.* | |
| Windows that open into enclosure not allowed unless they are ≥6 feet from ground surface | |
| Doors/gates of a building capable of being opened not allowed unless:<br>(1) Doors/gates between building and enclosure are for entry into adjacent storage room, restroom, shower room, dressing room, or mechanical room; or<br>(2) The room does not have any door or gate openings to the outside of the pool yard or spa yard enclosure; or<br>(3) The pool or spa yard is indoor and complies with requirements for indoor enclosures | |
| Gates/doors are self-closing and self-latching. meeting the definition in §265.182(62); be designed to close and to keep the gate or door securely closed and latched whenever the gate or door is not in use; | |
| Gates/doors open outward away from pool/spa. | |
| Gate/door opening hardware is hand-activated and ≥ 3.5 ft. high from deck. Hardware only permitted on pool/spa side of gate, no openings >0.5 inches within 18" of the hardware. | |
| Gates/doors are capable of being locked / secured. | |
| Enclosure must be locked for repairs/hazards/adding chemicals by hand/etc. | |

| **DRESSING/SANITARY Facilities** **2021 ISPSC Chapter 3,6** | **Page in Plans** |
|---|---|
| Toilet Facility. Class A & B pools shall be provided with toilet facilities having the required number of plumbing fixtures in accordance with the IBC or IPC. | |
| Aquatic Recreation Facilities. Minimum Adequate ventilation required to prevent objectionable odors | |
| Class A/B/C pools/spas constructed before 01-2021 comply with rules at time of construction | |
| Separate dressing/shower facilities for each gender<br>- <7500 square feet of water surface area = dressing facilities & 1 or more cleansing shower for each gender<br>- >7500 square feet of water surface area = dressing facilities & 1 or more cleansing shower for each gender and for each 7500 square feet thereafter rounded to nearest 1 | |
| Rinse shower required at entrance of each pool at aquatic recreation facility | |
| Well lit/drained/ventilated, planned/developed to maintain sanitation | |
| Partitions durable, protected from water damage, waterway provided to permit cleaning | |
| Adequate number hose bibs/hoses of adequate length provided for cleaning, stored properly | |
| Floors smooth/easy-to-clean/impervious-to-water/slip-resistant. Meet ANSI A137.1 reqs | |
| Lavatory/shower/toilet located to encourage use of facilities by pool/spa users | |
| Shower provided with hot/cold running water, anti-scald device | |
| Showerhead provides water flow of not less than 2 gallons/minute | |
| Heated shower water temperature between 90-120 degrees F | |
| Sanitary napkin receptables provided at each toilet/shower areas for female use | |
| If dressing/sanitary facilities provided, they must have:<br>(1) Metal/plastic soap dispensers at each lavatory;<br>(2) Shatter resistant mirrors;<br>(3) Toilet paper holders/toilet paper at each toilet;<br>(4) Covered waste receptacles in toilet area or dressing room areas;<br>(5) Single-use hand drying towels or hand drying devices provided near the lavatory. | |
| Apartments/hotels/motels/condos not required to have cleaning or rinsing showers, dressing rooms, toilets, urinals (unless the facility has toilets for pool/spa users), hand drying towels (unless the facility has a lavatory), baby changing table (unless a lavatory with faucet an soap provided), or a lavatory unless a faucet/soap provided & proper wastewater disposal. | |

| FOOD, BEVERAGES, AND CONTAINERS — TX DSHS Section 265.194 | Page in Plans |
|---|---|
| Food/beverages not allowed in pool/spa unless it is privately owned. | |
| Glass containers prohibited. | |
| Covered trash receptacles required where food or beverages are allowed or served. | |

| OTHER RELEVANT 2021 ISPSC Codes |
|---|
| 102.5 Historic Buildings |
| 304—Design/Construction of Pools/Spas in Flood Hazard Areas |
| 307.1.1 Glazing in Hazardous Locations |
| 307.1.3 Roofs/Canopies |

| WATER QUALITY — TX DSHS Section 265.193 | Page in Plans |
|---|---|
| Cyanuric acid prohibited in indoor pools, spas, and in therapy pools | |
| Water clarity must pass Secchi disk test | |
| Facility must have reliable means available for testing pH, free/total chlorine, bromine, cyanuric acid (when used), alkalinity, and calcium hardness. | |
| Free available chlorine/bromine levels shall be determined using DPD method | |
| ORP readings recorded at same time as sanitizer/pH tests where in-line meters used | |
| Test kits/reagents stored properly/protected | |
| Reagents changed at frequency to ensure accuracy | |
| Water in the pool shall be chemically balanced using LSI/etc. every 10 days | |
| Class A/B pools/spas tested for disinfectant/pH levels every 2 hours, or once per day if using automatic monitoring system. Cyanuric acid levels measured once/week | |
| Class C pools/spas with on-site staff tested for disinfectant/pH levels 3 times/day, or once per day if using automatic monitoring system. Cyanuric acid levels measured once/week | |
| Alkalinity/calcium hardness/chemical balance measured every 30 days or for water clarity | |
| Water chemistry testing records maintained at least 2 years, available within 5 business days | |
| CYA Limits – Recommended to follow MAHC guidelines | |

| OPERATING GUIDELINES — Sec. 265.194 NET HEALTH District Order 2024-1 | Page in Plans |
|---|---|
| All pools/spas under supervision of Certified Pool Operator or equivalent | |
| CPO's name/contact info available to on-site staff and regulatory authority | |
| Pools/spas required to meet operational standard most applicable to their use | |
| Water clarity maintained, pool not open if suction outlets not clearly visible | |
| Water clarity maintained during off-season, nuisance conditions not allowed | |
| Domestic animals prohibited in enclosure, except service animals. No animals in pool/spa | |
| Pool/spa closed if actual water level of pool/spa is below design operating level range | |
| Pool/spa Closed Sign posted on the entry gates indicating the pool and spa are closed when applicable | |
| No person shall be prohibited from the use of a USCG-approved PFD in a pool/spa | |
| Personnel shall be properly trained and have appropriate PPE to handle chemicals | |
| Use of chemicals in pools/spas according to manufacturer directions, no chemical used in a way that violates manufacturer instructions for chemical feed system or NSF 50 certification | |
| Permit/inspections required from NET HEALTH Environmental Health to operate pool/spa(NET HEALTH Order 2024-1 | |
| Certified Pool Operator must register certification with NET HEALTH Environmental Health | |
| Attendance at annual safety class required NET Health Order 2024-1 | |
| Annual electrical inspection by licensed electrician required | |
| If imminent hazard is present, pool is closed, secured/locke, sign posted closed & reported to NET Health | |

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| Warning sign against unauthorized entry on the door or gate to the equipment room | |
| PPE provided, SDS sheets on-site/readily available | |

**PUBLIC INTERACTIVE WATER FEATURES (PIWFs)**

| **GENERAL DESIGN AND CONSTRUCTION OF PIWFS** **TX DSHS Sec.301-308, 2021 ISPSC Chapter 6** | **Page in Plans** |
|---|---|
| Safety Hazards. Designed and constructed to prevent safety hazards to users | |
| Decking. Deck >4 feet wide shall be provided around the perimeter of the PIWF. Deck shall be sloped away from PIWF. | |
| Splash pad zone.<br>- Surface shall have slip resistant and cleanable surface.<br>- Manufacturer guarantee surface is suitable for aquatic and chlorinated environments<br>- Direct suction outlets from PIWFs prohibited<br>- Splash pad zone surfaces shall slope to one or more drain points so that only water from splash pad zone flows back to a gravity fed collection tank. The slope shall be < or = ½"per foot.<br>- Drain openings in splash pad zone surface that can be accessed by users shall not allow a ½" diameter dowel rod to be inserted into the opening<br>- Drain covers in the splash pad zone surface shall be flat and flush with the zone surface and shall require tools for removal<br>- Drain cover manufacturer shall certify the cover complies with the entrapment requirements of Sections 3 & 6 of APSP | |
| Nozzles within PIWF splash pad zone. Shall be flush with the zone surface. Openings shall be <1/2". The water velocity from the orifice of any nozzle shall be <20 feet per second. | |
| Other Nozzles. Shall be designed to be clearly visible | |
| Water sanitation complies with 2021 ISPSC 612.5.1 through 612.5.5 | |
| Water collection & treatment tank. PIWF shall drain to a collection and treatment tank.<br>- The inside of the tank shall be accessible for cleaning and inspection. The access hatch or lid shall be locked or require a tool to open<br>- Tank capacity >1000 gallons or ten times the number of gallons in a minute when all nozzles are operating simultaneously, whichever is greater<br>- The volume water in the tank, at the design water level, shall not decrease more than 15% of tha volume when all pumps and discharge piping fill with water to the discharge points of all nozzles<br>- Tanks shall have means to empty all water in the tank for servicing and cleaning. | |
| Filtration pump. Sized to turn over the surge basin within 30 minutes or less. Intake for the pump shall be located to draw water from lowest elevation in tank. | |
| Initial water supply shall be potable water | |
| RPZ backflow assembly/approved air gap required to prevent backflow | |
| Hose bibs protected by vacuum breaker backflow preventer | |
| Backwash water discharged as wastewater in accordance with TCEQ/local requirements | |
| Secondary disinfection system required. Listed and labeled to NSF 50 as having a single pass, three log reduction of the cryptosporidium surrogate. All water supplied to spray nozzles or other water accessible to users shall be treated. | |
| Disinfection system. Filtration and sanitizing equipment requirements of Chapter 3 & 6 apply. | |
| Operating Instructions. Documentation required as described in Chapter 1 & 3 of 2021 ISPSC. The operating instructions for PIWFs shall require that the circulation system be operated continuously for not less than 4 turnovers prior to operation of the pumps for the spray nozzles and other water feature systems. | |
| Designed for turnover rate at least once/hour | |
| Makeup water to treatment tank introduced via air gap or RPZ backflow preventer from potable water supply | |
| Lighting. Artificial lighting shall be provided in accordance with same requirements for pool deck area in 2021 ISPSC 321.2.1 | |
| Automatic disinfectant/pH feed equipment, provide continuous/effective disinfection at all times | |
| Chemical feed equipment capable of automatically adjusting chemical feed based on demand | |
| Designed to prevent siphoning from recirculation system to solution container and to prevent siphoning of chemical solution into the PIWF | |
| Failure-proof features incorporated so that chemical cannot feed into PIWF/piping/water supply if equipment/power fails/not adequate return flow to disperse chemical | |

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|---|---|
| 2021 ISPSC: If PIWF considered Class D-6 pool, must have depth ≤ 12 inches | |
| 2021 ISPSC: If PIWF considered spray pool, must have depth ≤ 6 inches | |
| 2021 ISPSC: See Chapter 6 of ISPSC for more information | |
| **SIGNAGE FOR PIWFS** **TX DSHS ISPSC 265.303** | **Page in Plans** |
| Signage posted at PIWF entrance or clearly visible before contact with PIWF water occurs | |
| Signs securely mounted, visible, easily read | |
| Letters at least 2 inches height, contrasting color to background | |
| “NON-SERVICE ANIMALS PROHIBITED” | |
| “CHANGING DIAPERS WITHIN 6 FEET OF WATER FEATURE IS PROHIBITED” | |
| “USE OF THE WATER FEATURE IF ILL WITH CONTAGIOUS DISEASE IS PROHIBITED” | |
| “DO NOT DRINK WATER FROM THE WATER FEATURE” | |
| “USE OF THE WATER FEATURE WHEN ILL WITH DIARRHEA IS PROHIBITED” | |
| If no operator/owner on site: Contact Number for use if malfunction/unsanitary condition/etc. occurs | |
| 2021 ISPSC: Section 611 of 2021 ISPSC provides info on other signage that may be required | |
| | |

| **WATER QUALITY FOR PIWFS** **25 TAC 265.306** | **Must be reviewed at Preliminary Inspection** |
|---|---|
| Water quality testing device/kit conforms to NSF/ANSI-50 Standard | |
| Chemical testing reagents stored/replaced at frequencies recommended by manufacturer | |
| Acceptable pH level 7.0-7.8 | |
| Acceptable free chlorine level 1-8 ppm (determined using DPD method or equivalent) | |
| Acceptable bromine level 2.5-12ppm (determined using DPD method of equivalent) | |
| Acceptable Combined Chlorine Outdoor Facilities ≤1.5ppm | |
| Acceptable Combined Chlorine Indoor Facilities ≤0.5ppm | |
| Stabilizer/Cyanuric acid prohibited indoor facilities | |
| Acceptable stabilizer/cyanuric acid levels for outdoor facilities: ≤50ppm | |
| All PIWFs must maintain sanitizer/pH/cyanuric acid at acceptable levels | |
| All PIWFs must implement a supplemental water treatment system | |
| With automatic feed equipment: minimum testing once/day for disinfectant/pH | |
| Without automatic feed equipment, minimum testing twice/day for disinfectant/pH | |
| Testing for cyanuric acid required (when in use) at least once every 7 days during operation | |
| Stand-alone PIWFs constructed before May 1, 2010 test water for *Cryptosporidium* every 14 days during operation | |
| PIWFs constructed after May 1, 2010 that share a water supply/systems that allow water to co-mingle with a pool test water of PIWF for *Cryptosporidium* every 30 days during operation | |
| Bacterial samples shall not exceed 200 bacteria/mL by HPC or indicate presence of Total Coliforms in a 100mL sample by multiple tube/membrane filter/Minimal Medium ONPG-MUG | |
| When water tests positive for Cryptosporidium, operator shall notify NET Health – Environmental Health immediately, shut off water to all features of PIWF, and immediately close PIWF to public | |
| PIWF shall not reopen when *Cryptosporidium* detected until PIWF is hyperchlorinated following CDC guidelines and documentation completed verifying proper hyperchlorination | |

| **OPERATING GUIDELINES** **25 TAC 265.303** | **Must be reviewed at Preliminary Inspection** |
|---|---|
| Documentation. | |
| | |
| Tank completely drained/cleaned to maintain water quality/sanitary conditions | |
| For zero-depth PIWF: Dirt/trash/debris/etc. removed, surface sanitized | |
| Records for operation/maintenance/etc. available, kept for minimum 2 years | |
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| Use of chemicals in pools/spas according to manufacturer directions, no chemical used in a way that violates manufacturer instructions for chemical feed system or NSF 50 certification | |
| Permit/inspections required from NET Health to operate pool/spa (NET Health District Order 2024-1) | |
| Certificate Registration.<br>- Certified Pool Operator must register certification with NET Health Environmental Health Department (NET Health District Order 2024-1)<br>- Onsite trained staff must have valid basic pool operator certificate or other approved certification registered with NET Health | |
| Onsite trained staff. A trained person must be on property during all operating pool hours when CPO is not present. Attendance at annual basic pool safety class required (NET Health District Order 2024-1) | |
| Annual electrical inspection by licensed electrician required (NET Health District Order 2024-1) | |
| Secured/locked/posted closed if unsafe/hazardous conditions exist | |

# Engineer Post Construction Certification of Aquatic Facilities

The licensed engineer is also responsible for submitting a signed and sealed post-construction letter (submitted by engineer at end of construction process) with the Step 2 Pool Permit Application to NET Health confirming the project construction conformed to the designed plan approved by NET Health.