TABLES & GRAPHICS

Graphic images included in rules are published separately in this tables and graphics section. Graphic images are arranged in this section in the following order: Title Number, Part Number, Chapter Number and Section Number.

Graphic images are indicated in the text of the emergency, proposed, and adopted rules by the following tag: the word "Figure" followed by the TAC citation, rule number, and the appropriate subsection, paragraph, subparagraph, and so on.

Figure 22 TAC §102.1

Fiscal Year 2021						
	Board Fee	Texas Online	NPDB	PMP	Peer Assistance	Total Fee
DENTIST	Effective October 2020					
Application by Exam	$ 330.00	$ 5.00		$ 15.00	$ 10.00	$ 360.00
Renewal	$ 411.00	$ 20.00	$ 2.00	$ 15.00	$ 10.00	$ 458.00
Renewal - Late 1 to 90 days	$ 486.00	$ 20.00	$ 2.00	$ 15.00	$ 10.00	$ 533.00
Renewal - Late 91 to 365 days	$ 561.00	$ 20.00	$ 2.00	$ 15.00	$ 10.00	$ 608.00
Licensure by Credentials	$ 2,915.00	$ 5.00		$ 15.00	$ 10.00	$ 2,945.00
Temporary Licensure by Credentials	$ 865.00	$ 5.00		$ 15.00	$ 10.00	$ 895.00
Temporary Licensure by Credentials renewal	$ 261.00	$ 4.00	$ 2.00	$ 15.00	$ 10.00	$ 292.00
Provisional License	$ 100.00					$ 100.00
Faculty Initial Application	$ 230.00	$ 3.00		$ 15.00	$ 10.00	$ 258.00
Faculty Renewal	$ 305.00	$ 8.00	$ 2.00	$ 15.00	$ 10.00	$ 340.00
Faculty Renewal - Late 1 to 90 days	$ 352.00	$ 8.00	$ 2.00	$ 15.00	$ 10.00	$ 387.00
Faculty Renewal - Late 91 to 365 days	$ 399.00	$ 8.00	$ 2.00	$ 15.00	$ 10.00	$ 434.00
Conversion Fee - Faculty to Full Privilege	$ 161.00	$ 2.00	$ 2.00	$ 15.00	$ 10.00	$ 190.00
Nitrous Oxide Permit	$ 32.00					$ 32.00
Level 1 Permit	$ 32.00					$ 32.00
Level 2 Permit	$ 260.00					$ 260.00
Level 3 Permit	$ 260.00					$ 260.00
Level 4 Permit	$ 260.00					$ 260.00
Nitrous Level 1 Permit Renewal	$ 10.00					$ 10.00
Level 2 Permit Renewal	$ 60.00					$ 60.00
Level 3 Permit Renewal	$ 60.00					$ 60.00
Level 4 Permit Renewal	$ 60.00					$ 60.00
Application to Reactivate a Retired License	$ 186.00	$ 3.00		$ 15.00	$ 10.00	$ 214.00
Reinstatement of a Canceled Dental License	$ 411.00	$ 5.00		$ 15.00	$ 10.00	$ 441.00
Duplicate License / Renewal	$ 25.00	$ 2.00				$ 27.00
Conversion Fee - Full Privilege to Faculty	$ 161.00	$ 2.00	$ 2.00	$ 15.00	$ 10.00	$ 190.00
Conversion Fee - Temporary Licensure by Credentials to Full Privilege	$ 2,165.00	$ 5.00	$ 2.00	$ 15.00	$ 10.00	$ 2,197.00
DENTAL HYGIENIST						
Application by Exam	$ 120.00	$ 3.00			$ 2.00	$ 125.00
Renewal	$ 216.00	$ 6.00	$ 2.00		$ 2.00	$ 226.00
Renewal - Late 1 to 90 days	$ 266.00	$ 6.00	$ 2.00		$ 2.00	$ 276.00
Renewal - Late 91 to 365 days	$ 316.00	$ 6.00	$ 2.00		$ 2.00	$ 326.00
Licensure by Credentials	$ 635.00	$ 5.00			$ 2.00	$ 642.00
Temporary Licensure by Credentials	$ 225.00	$ 5.00			$ 2.00	$ 232.00
Temporary Licensure by Credentials renewal	$ 101.00	$ 3.00	$ 2.00		$ 2.00	$ 108.00

Fiscal Year 2021						
	Board Fee	Texas Online	NPDB	PMP	Peer Assistance	Total Fee
Faculty Initial Application	$ 120.00	$ 3.00			$ 2.00	$ 125.00
Faculty Renewal	$ 201.00	$ 6.00	$ 2.00		$ 2.00	$ 211.00
Faculty Renewal - Late 1 to 90 days	$ 243.00	$ 6.00	$ 2.00		$ 2.00	$ 253.00
Faculty Renewal - Late 91 to 365 days	$ 285.00	$ 6.00	$ 2.00		$ 2.00	$ 295.00
Conversion Fee - Faculty to Full Privilege	$ 51.00	$ 2.00	$ 2.00		$ 2.00	$ 57.00
Application to Reactivate a Retired License	$ 76.00	$ 3.00			$ 2.00	$ 81.00
Reinstatement of a Canceled Dental Hygiene Li	$ 213.00	$ 5.00			$ 2.00	$ 220.00
Duplicate License / Renewal	$ 25.00	$ 2.00				$ 27.00
Nitrous Oxide Monitoring Application	$ 25.00					$ 25.00
Conversion Fee - Full Privilege to Faculty	$ 55.00	$ 2.00	$ 2.00		$ 2.00	$ 61.00
Conversion Fee - Temporary Licensure by Credentials to Full Privilege	$ 415.00	$ 5.00	$ 2.00		$ 2.00	$ 424.00
DENTAL ASSISTANT						
Initial Application	$ 36.00	$ 2.00			$ 1.00	$ 39.00
Renewal	$ 63.00	$ 4.00	$ 2.00		$ 1.00	$ 70.00
Renewal - Late 1 to 90 days	$ 78.00	$ 4.00	$ 2.00		$ 1.00	$ 85.00
Renewal - Late 91 to 365 days	$ 93.00	$ 4.00	$ 2.00		$ 1.00	$ 100.00
Duplicate License / Renewal	$ 25.00	$ 2.00				$ 27.00
Nitrous Oxide Monitoring Renewal	$ 63.00	$ 4.00	$ 2.00			$ 69.00
Nitrous Oxide Monitoring Late 1 to 90 days	$ 78.00	$ 4.00	$ 2.00			$ 84.00
Nitrous Oxide Monitoring Late 91 to 365 days	$ 93.00	$ 4.00	$ 2.00			$ 99.00
Nitrous Oxide Monitoring Application	$ 25.00					$ 25.00
DENTAL LABORATORIES						
Application	$ 125.00					$ 125.00
Renewal	$ 134.00	$ 4.00				$ 138.00
Renewal - Late 1 to 90 days	$ 200.00	$ 5.00				$ 205.00
Renewal - Late 901 to 365 days	$ 266.00	$ 5.00				$ 271.00
Duplicate Certificate	$ 25.00	$ 2.00				$ 27.00
OTHER						
Mobile Application	$ 121.00					$ 121.00
Mobile Renewal	$ 63.00	$ 2.00				$ 65.00
Mobile Renewal - 1 to 90 days	$ 93.00	$ 3.00				$ 96.00
Mobile Renewal - 91 to 365 days	$ 123.00	$ 4.00				$ 127.00
Duplicate Certificate Mobile Certificate	$ 25.00	$ 2.00				$ 27.00
Dentist Intern / Resident Prescription Privileges	$ 51.00		$ 2.00	$ 15.00	$ 15.00	$ 83.00
Jurisprudence	$ 54.00					$ 54.00
Licensure Verification with Seal	$ 9.00	$ 2.00				$ 11.00
Criminal History Evaluation	$ 25.00					$ 25.00
Board Scores	$ 25.00					$ 25.00

Figure: 25 TAC §265.184(n)(2)

CONSTRUCTION TOLERANCES	
Design Aspect	Construction Tolerance
Depth-deep area, including diving area	± 3 inches
Depth – shallow area	± 2 inches
Length – overall	±3 inches
Step treads and risers	± 1/2 inch
Wall Slopes	± 3 degrees
Waterline – pools with adjustable weir skimmers	± 1/4 inch
Waterline – pools with nonadjustable skimming systems (gutters)	± 1/8 inch
Width – overall	± 3 inches
All dimensions not otherwise specified	± 2 inches

Figure: 25 TAC §265.184(o)(2)

Maximum Numbers of Users in Class A Pools Not Being Used for Competitive Events and Class B and Class C Pools and Spas.			
Pool and Area	Shallow or Wading Areas	Deep Area (Not Including the Diving Area)	Diving Area (Per Each Diving Board)
Pools with Minimum Deck Area	15 sq. ft. per user	20 sq. ft. per user	300 sq. ft.
Pools with Deck Area Equal to Water Surface Area	12 sq. ft. per user	15 sq. ft. per user	300 sq. ft.
Pools with Deck Area at Least Twice Water Surface Area	8 sq. ft. per user	10 sq. ft. per user	300 sq. ft.
Maximum Number of Users in Spas and Wade Pools with PIWFs	10 sq. ft. per user	NA	NA

Figure: 25 TAC §265.185(f)(9)

Drainage Slopes for Deck Surfaces		
Surface	Minimum Drainage Slope	Maximum Drainage
Artificial turfs that are designed for use at aquatic facilities, are waterproof, cleanable, and do not support biologic growth	1/2 inch per foot	1/2 inch per foot
Exposed aggregate (moderate finish)	1/8 inch per foot	1/2 inch per foot
Textured, hand-finished concrete (smooth finish)	1/8 inch per foot	1/2 inch per foot
Travertine / brick set pavers (heavy finish)	1/8 inch per foot	1/2 inch per foot

Figure: 25 TAC §265.187(b)

Entry and Exit Locations for Specific Pools.	
Class of Pool	Entry and Exit Locations
Wave Pool	Entry at beach end only; exit at beach end, sides or end wall.
Activity Pool	Entry and exit determined by designer
Catch Pools	Entry prohibited from deck areas; exit by ladders, steps, or ramps as determined by designer
Leisure River	Entry and exit determined by designer
Vortex Pool	Entry and exit determined by designer
Pool with Interactive Water Feature or Fountain	Entry and exit determined by designer

Figure: 25 TAC §265.188(b)(8)(A)

Diving Board Height and Dimensions				
Diving Board Height	1.64 ft. (0.5 m)	2.46 ft. (0.75 m)	3.28 ft. (1.0 m)	3.84 ft. (3.0 m)
Minimum Diving Board Length	10.0 ft. (3.05 m)	12.0 ft. (3.66 m)	16 ft. (4.88 m)	16.0 ft. 4.88 m).
Minimum Diving Board Width	20.0 in (50.8 cm)	20.0 in. (50.8 cm)	20.0 in (50.8 cm)	20.0 in. (50.8 cm)

Figure: 25 TAC §265.188(b)(8)(B)

Minimum Dimensions of Components Related to Diving Wells by Diving Board Height

	Diving Board Height	0.5 Meter	0.75 Meter	1.0 Meter	3.0 Meters
A	Distance from plummet back to pool wall	3.0 ft. (0.91 m)	4.5 ft. (1.37m)	6.0 ft. (1.83 m)	6.0 ft. (1.83 m)
B	Distance from plummet to pool wall at side	10.0 ft. (3.05 m)	10.0 ft. (3.05m)	10.0 ft. (3.05 m)	11.5 ft. (3.51 m)
C	Distance from plummet to adjacent plummet	8.83 ft. (2.69 m)	8.83 ft. (2.69 m)	8.83 ft. (2.69 m)	8.54 ft. (2.60 m)
D	Distance from plummet to pool wall ahead	26.0 ft. (7.92m)	27.83 ft. (8.48 m)	29.58 ft. (9.02 m)	33.67 ft. (10.26 m)
E	Height, diving board to ceiling at plummet & distances F and G	16.0 ft. (4.88 m)	16.0 ft. (4.88 m)	16.0 ft. (4.88 m)	16.0 ft. (4.88 m)
F	Clear overhead distance behind and each side of plummet	8.0 ft. (2.34 m)	8.0 ft. (2.34 m)	8.0 ft. (2.34 m)	8.0 ft. (2.34 m)
G	Clear overhead distance ahead of plummet	16.0 ft. (4.88 m)	16.0 ft. (4.88 m)	16.0 ft. (4.88 m)	16.0 ft. (4.88 m)
H	Depth of water at plummet	9.5 ft. (2.90 m)	10.75 ft. (3.28 m)	12.0 ft. (3.66 m)	12.5 ft. (3.81 m)
J	Distance ahead of plummet to depth K	12.0 ft. (3.66 m)	14.25 ft. (4.34 m)	16.5 ft. (5.03 m)	19.75 ft. (6.02 m)
K	Depth at distance J ahead of plummet	8.75 ft. (2.67 m)	10.0 ft. (3.05 m)	11.28 ft. (3.44 m)	12.17 ft. (3.71 m)
L	Distance at each side of plummet to depth M	8.0 ft. (2.34 m)	(8.13 ft. (2.48 m)	8.25 ft. (2.51 m).	9.92 ft. (3.02 m)
M	Depth at distance L on each side of plummet	9.08 ft. (2.77 m)	10.33 ft. (3.15 m)	11.63 ft. (3.54 m)	12.17 ft. (3.71 m)
N	Maximum slope to reduce height E	30 degrees	30 degrees	30 degrees	30 degrees
P	Maximum floor slope to reduce depth ahead of K, to sides of M or back to pool wall behind H	3:1	3:1	3:1	3:1

Figure: 25 TAC §265.188(b)(8)(C)

Not drawn to scale.

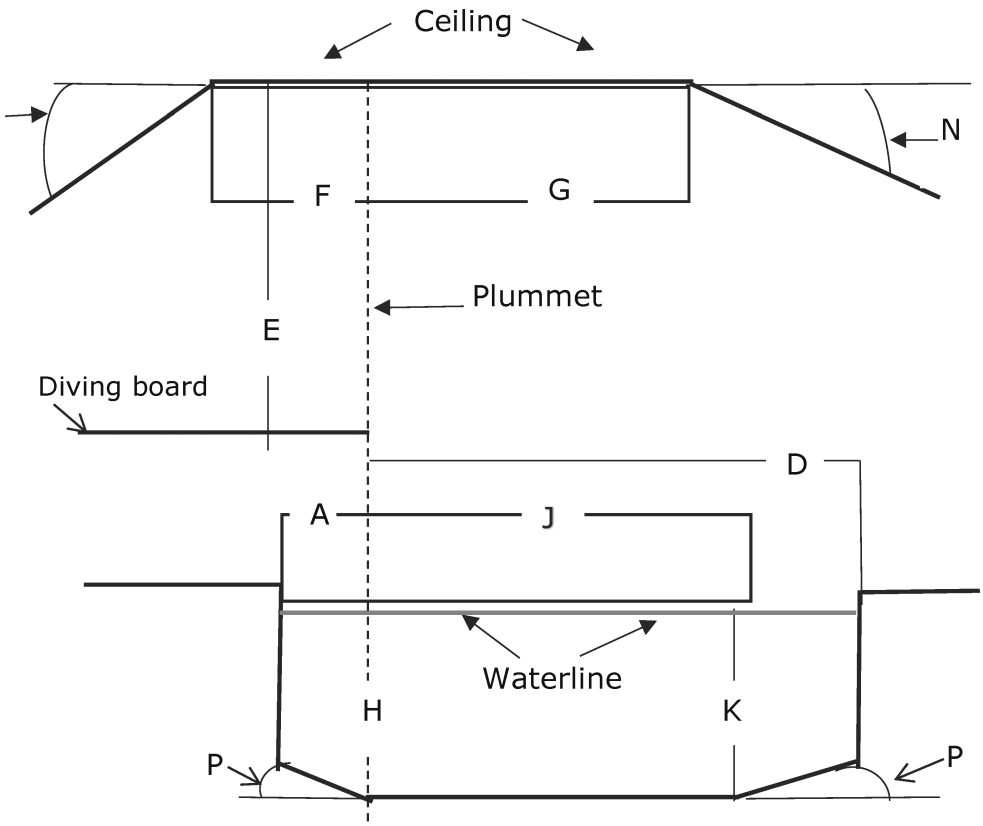

Figure:25 TAC §265.188(b)(8)(D)

Not to scale

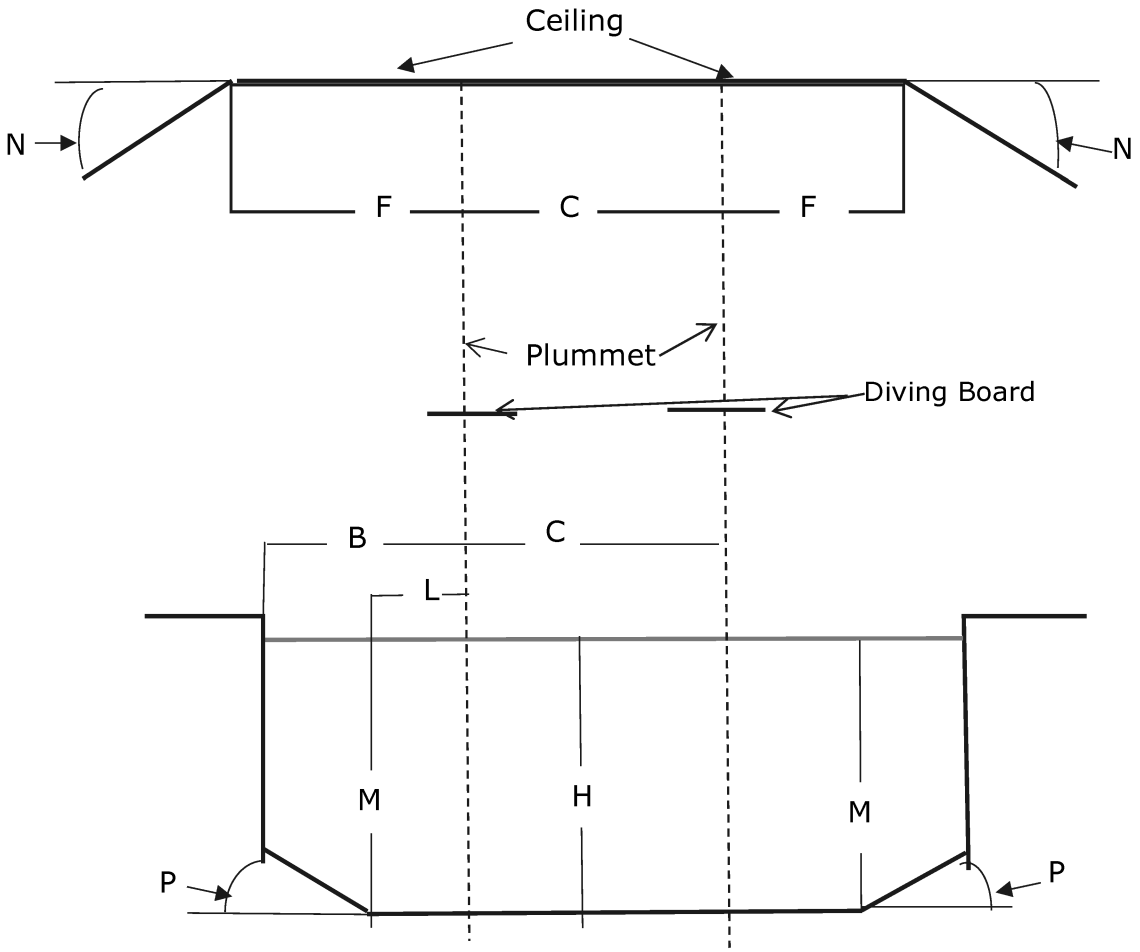

Figure: 25 TAC §265.190(c)(1)

Turnover Times for Pools and Spas.	
CATEGORY	MAXIMUM TURNOVER RATE
Class A, B and C pools	Turnover rate is equal to 1.5 times the average depth of pool in feet not to exceed 6 hours
Wading Pools	1 Hour
Activity Pools with 24 inches or less water depth	1 Hour
Activity Pools with water depths more than 24 inches	2 Hours
Runout Slide, Plunge Pool, Catch Pool	1 Hour
Leisure Rivers	2 Hours
Vortex Pools	1 Hour
Surf Pools, Wave Action Pools with less than 20,000 sq. ft. pool surface area	2 Hours or as per Licensed Engineer
Spas	30 minutes

Figure: 25 TAC §265.190(i)

Piping and Fittings	
Material	Standard
Acrylonitrile butadiene styrene (ABS)	ASTM D1527
Chlorinated polyvinyl chloride (CPVC) plastic pipe and tubing	ASTM D2846; CSA B137.6
Copper or copper-alloy tubing	ASTM B88; ASTM B447
Polyvinyl chloride (PVC) hose	ASTM D1785; ASTM D2241; ASTM D2672; CSA B137.3
Polyvinyl chloride (PVC) plastic pipe	ASTM D1785, CSA B137.3
Stainless steel pipe, types 304, 304L, 316 & 316L	ASTM A312

Figure: 25 TAC §265.190(j)

Fittings	
Material	Standard
Acrylonitrile butadiene styrene (ABS) plastic pipe	ASTM D1527
Chlorinated polyvinyl chloride (CPVC) plastic pipe and tubing	ASTM D2846, ASTM F437, ASTM F438, ASTM F349, CSA B137.6
Copper or copper-alloy tubing	ASME B16.15
Polyvinyl chloride (PVC) plastic pipe	ASTM D2464, ASTM D2466, ASTM D2467, CSA B137.2; CSA B 137.3
Stainless steel pipe, Types 304, 304L, 316, 316L	ASTM A182, ASTM A403

Figure: 25 TAC §265.197(e)

Water Heater Listings	
Electric Water Heater	UL 1261, UL 1563 or CSA C22.2 No.218.1
Gas-fired Water Heater	ANSI Z21.56/CSA 4.7a
Heat Exchanger	AHRI 400
Heat Pump Water Heater	UL 1995, AHRI 1160, CSA C22.2 No. 236

Figure: 25 TAC §265.201(j)(6)

Required Pool Sign or Signs	Letter and Symbol Size
"WARNING-NO LIFEGUARD ON DUTY" (Where no lifeguard required or provided.)	4 inches
"NO DIVING" and International no diving symbol (Where no lifeguard required or provided.)	4 inches
"IN CASE OF EMERGENCY, DIAL 911"	4 inches
Precise Location of the Pool on or with the Emergency Phone (address, or directions, or GPS location, or building number, as appropriate)	Minimum 1-inch
Hours of Operation	Minimum 1-inch
Directions to and Location of Emergency Phone if Phone Not Visible in Pool Yard	Minimum 2-inches
Maximum User Load Limit	Minimum 2-inches
"NON-SERVICE ANIMALS PROHIBITED"	Minimum 2-inches
"DO NOT SWIM IF YOU ARE ILL OR HAVE BEEN ILL WITH DIARRHEA OR HAVE HAD IT WITHIN THE PAST 2 WEEKS;"	Minimum 2-inches
"CHANGING DIAPERS WITHIN 6 FEET OF THE POOL IS PROHIBITED"	Minimum 2-inches
"GLASS ITEMS NOT ALLOWED IN THE POOL YARD"	Minimum 2-inches
"EXTENDED BREATH HOLDING ACTIVITIES ARE DANGEROUS AND PROHIBITED"	Minimum 2-inches

Figure: 25 TAC §265.204(f)

Number of Fixtures at Class A, Class B, and Class C Pools and Spas constructed on or after the effective date of this subchapter.					
Fixture Schedule for Facilities with Water Surface Areas Less than 7500 sq. ft.	Females per 7500 sq. ft.	Males per 7500 sq. ft.	Fixture Schedule for Facilities with Water Surface Areas 7500 sq. ft. or More	Females[1]	Males[1]
Water Closets	1	1	Water Closets	2	0.7
Urinals	NA	1	Urinals	NA	1
Lavatories[2]	1	1	Lavatories[2]	1	0.85
Cleansing showers[3]	1	1	Cleansing Showers[3]	1	1
Rinsing showers[3]	1	1	Rinsing Showers[3]	1	1
Baby Changing Table[4]	1	1	Baby Changing Table[4]	1	1

[1]Number of fixtures per 7500 sq. ft. or portion thereof. Where the result of the fixture calculation is a portion of a whole number, the result shall be rounded up to the nearest whole number.

[2] Lavatories shall be provided with hot and cold running water.

[3]Rinsing showers can be tower showers or single showers without heated water. Not less than one and not more than half of the total number of showers required shall be located on the deck or at the entrance of each pool or spa. Tower rinsing showers are not required to provide heated water.

[4]One for each male or female sanitary facility.

Figure: 25 TAC §265.206(b)

Required Chemical Levels			
Disinfectant Level	Minimum	Ideal	Maximum
Pool Free Available Chlorine	1.0 ppm	2.0 – 3.0 ppm	8.0 ppm
Spa Free Available Chlorine	2.0 ppm	3.0 ppm	8.0 ppm
Pool Bromine	3.0 ppm	4.0 – 5.0 ppm	10.0 ppm
Spa Bromine	4.0 ppm	5.0 ppm	10.0 ppm
Combined Chlorine	None	None	0.4 ppm
pH	Not less than 7.0	7.2 – 7.6	7.8
Cyanuric Acid	None	10.0 – 30.0 ppm	50.0 ppm
ORP	600 mV	650 – 750 mV	900 mV
Alkalinity	50 ppm	60 ppm – 180 ppm	>180 ppm
Calcium Hardness	150 ppm	>150 – 400 ppm	1000 ppm
Algae	None	None	None

Figure: 25 TAC §265.208(e)

Required Spa Signs	Letter and Symbol Size
"WARNING – NO LIFEGUARD ON DUTY" (if no lifeguard is provided or required)	4 inches
"DO NOT USE THE SPA IF THE WATER TEMPERATURE IS ABOVE 104 DEGREES FAHRENHEIT"	Minimum 1-inch
Maximum User Load	Minimum 1-inch
Location of the Nearest emergency phone or device.	Minimum 2-inches
EMERGENCY SPA SHUTOFF	Minimum 2-inches
ALARM INDICATES SPA PUMPS ARE OFF (Where required)	Minimum 2-inches
DO NOT USE SPA WHEN ALARM SOUNDS AND LIGHT IS ILLUMINATED UNTIL ADVISED OTHERWISE (Where required)	Minimum 2-inches

Figure: 25 TAC §300.303(l)

Table 1

Analyte	Acceptable Limit
Metals	
Arsenic	1.5 ppm
Cadmium	0.3ppm
Lead	1.0ppm
Mercury	0.5ppm
Microbial Impurities	Total Aerobic Count
Total combined yeast molds count	
E-Coli	No detection
Campylobacter	No detection
Listeria monocytogenes	No detection
Salmonella	No detection
Shiga-Toxin	No detection
Staphylococcus	No detection
Yersinia	No detection
Pesticides	Chemical Abstract Services Number (CAS)
Acetamiprid	0.2ppm
Aldicarb	0.4ppm
Azoxystrobuin	0.2ppm
Bifenzate	0.2ppm
Boscalid	0.2ppm
Carbaryl	0.5ppm
Carbofuran	0.2ppm

Chlorantraniliprole	0.2ppm
Chloropyrifos	0.6ppm
Cypermethrin	18ppm
Diazinon	2.6ppm
Dichlorovos	0.1ppm
Ethoprophos	0.4ppm
Etofenprox	0.4ppm
Fipronil	1.0ppm
Flonicamid	1.0ppm
Imidacloprid	0.4ppm
Metalaxyl	0.2ppm
Methiocarb	0.4ppm
Methomyl	0.4ppm
Methyl parathion	8.5ppm
Myclobutanil	0.3ppm
Oxamyl	1ppm
Permethrin I	1.1ppm
Pyridaben	0.2ppm
Spiroxamine I	2ppm
Tebuconazole	0.4ppm
Thiacloprid	0.2ppm
Thiamethoxam	0.2ppm