



**AMARILLO BI-CITY-COUNTY HEALTH DISTRICT**

Amarillo, Canyon, Potter County, Randall County  
CITY OF AMARILLO, P. O. Box 1971, Amarillo, TX, 79105-1971

Receipt #: \_\_\_\_\_

Date Paid: \_\_\_\_\_

Date Expires: \_\_\_\_\_

DEPARTMENT OF ENVIRONMENTAL HEALTH  
808 S. Buchanan  
806-378-9472  
FAX: 806-378-3585

**SWIMMING POOL/SPA/PIWF PLAN REVIEW APPLICATION TO BE  
COMPLETED BY THE OPERATOR**

**Fee: \$50.00**

**Date:** \_\_\_\_\_

A plan review fee of \$50.00 must be paid when completed application is submitted. This application, fully completed, and one set of plans, must be submitted before Environmental Health staff will approve or disapprove. Failure to include all requested material will delay the processing of your request. After application and plans are submitted and deemed complete, Environmental Health staff will respond within 10 working days.

**FACILITY INFORMATION**

Facility Name \_\_\_\_\_

Address \_\_\_\_\_ Planning Unit # \_\_\_\_\_

\_\_\_\_\_ Phone \_\_\_\_\_

\_\_\_\_\_ Emergency \_\_\_\_\_

\_\_\_\_\_ Contact Phone \_\_\_\_\_

Facility Web Site \_\_\_\_\_

Facility email \_\_\_\_\_

## OWNER INFORMATION

Name \_\_\_\_\_ Phone \_\_\_\_\_  
Address \_\_\_\_\_ Alternate Phone \_\_\_\_\_  
Fax \_\_\_\_\_ Email \_\_\_\_\_

Indicate Type of Pool/Spa to be constructed. See definitions

- |                                  |   |
|----------------------------------|---|
| <input type="checkbox"/> Class A | <input type="checkbox"/> Therapeutic Pool/Spa |
| <input type="checkbox"/> Class B | <input type="checkbox"/> Spa                  |
| <input type="checkbox"/> Class C | <input type="checkbox"/> PIWF                 |
| <input type="checkbox"/> Class D |   |

Capacity of pool spa in gallons: \_\_\_\_\_

Surface area of pool/spa: \_\_\_\_\_

Turnover rate for pool/spa is \_\_\_\_\_ gallons per minute

Number of skimmers: \_\_\_\_\_

Number of return inlets: \_\_\_\_\_

Number of main drains: \_\_\_\_\_

Hydraulically balanced? Yes \_\_\_ No \_\_\_

Type of disinfectant to be used: \_\_\_\_\_

Make and model of drain covers: \_\_\_\_\_

Pipe Diameter: \_\_\_\_\_

## **Please see checklist below and refer to Texas Department of State Health Services' Standards for Swimming Pools and Spas**

### **Definitions:**

- **Class A Pool:** Any pool used, with or without a fee, for accredited competitive aquatic events. A Class A pool may be used for recreation.
- **Class B Pool:** Any pool used for public recreation and open to the general public with or without a fee.
- **Class C Pool:** Any pool operated for and in conjunction with lodging such as hotels, motels, apartments, condominiums, or mobile home parks; property owner's associations, private organizations or clubs; a school, college, or university while being operated for academic or continuing education classes. The use of such a pool would be open to occupants, members or students, etc. and their guests, but not open to the public.
- **Class D Pool:** A wading pool with a maximum depth of two (2) feet at any point.
- **Therapeutic Pool/Spa:** Operated exclusively for therapeutic purposes, such as physical therapy, and is under the direct supervision and control of licensed medical personnel.
- **Spa:** A constructed permanent or portable structure that is 2 feet or more in depth and that has a surface area of 250 square feet or less or a volume of 3,250 gallons or less and that is intended to be used for bathing or other recreational uses and is not drained and refilled after each use. It may include, but is not limited to, hydrojet circulation, hot or cold water, mineral baths, air induction bubbles, or any combination thereof.

\*The following requirements represent minimal health code requirements, and are NOT inclusive of all requirements.

### **Submission and Review of Plans:**

Prior to the beginning the construction of a new swimming pool/spa, or the extensive remodeling of an existing pool/spa, the owner shall submit plans and specifications for such construction or remodeling to the Environmental Health Department, as well as the Building Safety Department for review.

Plans must include the following:

- Plan of entire project site
- Plot plan, deck detail, and pool enclosure (including gate and fence detail)
- Plumbing detail including gauges, pipe diameter, etc.
- Pool/spa structure details
  - Depth markers
  - Lights
  - Skimmers
  - Coping
  - Fill line and/or applicable hose bibbs
- Equipment list
- Safety equipment and signs

**Alteration of Plans:**

Before any alterations are made to the submitted and approved plans, you must contact the Environmental Health and Building Safety departments for approval.

## Checklist for Construction:

\* The following requirements represent minimal health code requirements, and are NOT inclusive of all requirements.

• Represent requirements

<b>1 Planning Materials</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>T</b>	<b>S</b>	
Plans and specs submitted to department for review	.	.	.	.	.	.	<input type="checkbox"/>
Recommended registered engineer stamp on plans to verify plan compliance	.	.	.	.	.	.	<input type="checkbox"/>
No construction activity until plans approved by Environmental Health	.	.	.	.	.	.	<input type="checkbox"/>
No alteration of plans unless approved by department	.	.	.	.	.	.	<input type="checkbox"/>

<b>2 General Construction and Design</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>T</b>	<b>S</b>	
Constructed of materials considered to be non-toxic, enduring, smooth, etc.	.	.	.	.		.	<input type="checkbox"/>
Generally accepted engineering practices for design and materials	.	.	.	.		.	<input type="checkbox"/>
ANSI, NSFI Standard 50 for equipment	.	.	.	.		.	<input type="checkbox"/>
Prohibition of earth material, sand use restrictions	.	.	.	.		.	<input type="checkbox"/>
Interior color light enough to see 8" black disc at required point	.	.	.	.		.	<input type="checkbox"/>
Materials to withstand freezing temperatures	.	.	.	.		.	<input type="checkbox"/>
Hydrostatic relief valve	.	.	.	.		.	<input type="checkbox"/>
Interior surface footing requirements	.	.	.	.		.	<input type="checkbox"/>
Americans with Disabilities Act	.	.	.	.	.	.	<input type="checkbox"/>
Entanglement or entrapment avoidance	.	.	.	.	.	.	<input type="checkbox"/>
Construction tolerances	.	.	.	.		.	<input type="checkbox"/>
Maximum user load limits	.	.	.	.		.	<input type="checkbox"/>
Interior walls, floors, floor slopes, ledges, benches, lounges	.	.	.	.		.	<input type="checkbox"/>
Visual separation		.	.				<input type="checkbox"/>
Zero-depth entry		.	.	.			<input type="checkbox"/>
Special requirements for Class D wading pools				.			<input type="checkbox"/>

<b>3 Decks</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>T</b>	<b>S</b>	
Designed, installed as required by City or ACI standard 302.1R-1998	.	.	.	.		.	<input type="checkbox"/>
Slip resistant, easily cleanable	.	.	.	.		.	<input type="checkbox"/>
Adequate load-bearing capacities	.	.	.	.		.	<input type="checkbox"/>
Class A pools meet standards of sanctioning body	.						<input type="checkbox"/>
Class B pools ≥ 6 feet wide, unobstructed (35% may be replaced with structures)		.					<input type="checkbox"/>
Class C, D pools ≥ 4 feet wide, unobstructed (35% may be replaced with structures)			.	.			<input type="checkbox"/>
Spas – continuous minimum 4 ft. wide for ≥ 50% of perimeter						.	<input type="checkbox"/>
Diving equipment – 4 ft. wide on sides and rear	.	.	.				<input type="checkbox"/>
All other deck equipment clearance ≥ 3 ft. wide	.	.	.	.		.	<input type="checkbox"/>

Deck minimum slope	.	.	.	.		.	<input type="checkbox"/>
Deck maximum slope	.	.	.	.		.	<input type="checkbox"/>
Maximum gaps between decks and walkways	.	.	.	.		.	<input type="checkbox"/>
Joints between coping and decks watertight, protected from damage	.	.	.	.		.	<input type="checkbox"/>
Joints in decks provided to minimize cracks	.	.	.	.		.	<input type="checkbox"/>
Where decks join concrete work protected by expansion joints	.	.	.	.		.	<input type="checkbox"/>
Deck edges eliminate sharp corners	.	.	.	.		.	<input type="checkbox"/>
Decks sloped to drain to perimeter or deck drains	.	.	.	.		.	<input type="checkbox"/>
Pooling or puddling prevented	.	.	.	.		.	<input type="checkbox"/>
Valves accessible through 10 inch diameter access cover; valve pit	.	.	.	.		.	<input type="checkbox"/>
Adequate hose bibs and hose for washing deck, with cross connection devices	.	.	.	.		.	<input type="checkbox"/>

#### 4 Entries and Exits

	A	B	C	D	T	S	
Minimum 2 entry/exits: one at shallow end, one at deep end	.	.	.				<input type="checkbox"/>
Areas where distance from deck to bottom of pool is $\leq 18''$ may be entry/exit	.	.	.	.			<input type="checkbox"/>
Entry/exits for diving pools	*	*	*				<input type="checkbox"/>
Entry/exits provided every 75 linear ft. of wall or fraction thereof	.	.	.	.			<input type="checkbox"/>
Steps, ladders, etc. not to interfere with racing lanes	.	.	.				<input type="checkbox"/>
Steps, ladders, etc. shall have slip-resistant surfaces	.	.	.	.			<input type="checkbox"/>

#### 5 Steps

	A	B	C	D	T	S	
Unobstructed horizontal depth 12'', maximum width 20''	.	.	.	.			<input type="checkbox"/>
Risers maximum height 10'' (bottom riser may taper to 0)	.	.	.	.			<input type="checkbox"/>
Solid or broken visual warning strip (1'' wide) on underwater steps	.	.	.	.			<input type="checkbox"/>
Step handrails required when lifeguard is mandated	.	.	.	.			<input type="checkbox"/>
Handrails require tools to remove	.	.	.	.		.	<input type="checkbox"/>
Handrails end within 8'' of last step or depth of 36'' from step surface	.	.	.	.			<input type="checkbox"/>
Outside diameter within 1.25-2 inch range	.	.	.	.			<input type="checkbox"/>

#### 6 Ladders

	A	B	C	D	T	S	
Treads and handrails corrosion resistant	.	.	.				<input type="checkbox"/>
A handrail on each side of ladder	.	.	.				<input type="checkbox"/>
Handrail distance between 17 and 24 inches	.	.	.				<input type="checkbox"/>
Uniform vertical distance between treads 7-12 inches	.	.	.				<input type="checkbox"/>
Maximum vertical distance from coping to top tread is 12 inches	.	.	.				<input type="checkbox"/>
Treads minimum horizontal depth of 1.5 inches	.	.	.				<input type="checkbox"/>
Inside edge of handrail below water line $\leq 5$ inches from pool edge	.	.	.				<input type="checkbox"/>
Ladder treads $\leq 3.5$ inches from pool wall	.	.	.				<input type="checkbox"/>

<b>7 Recessed Treads</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>T</b>	<b>S</b>	
Handrails corrosion resistant	.	.	.				<input type="checkbox"/>
Handrail provided on each side of ladder, distance 17-24 inches	.	.	.				<input type="checkbox"/>
Uniform distance between treads is 7-12 inches	.	.	.				<input type="checkbox"/>
Maximum vertical distance from coping to top tread is 12 inches	.	.	.				<input type="checkbox"/>
Step depth $\geq$ 4.5 inches	.	.	.				<input type="checkbox"/>
Step width $\geq$ 12 inches	.	.	.				<input type="checkbox"/>
Tread sloped to drain into pool not more than 1/2 inch/foot	.	.	.				<input type="checkbox"/>

<b>8 Swimouts</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>T</b>	<b>S</b>	
Located completely outside the perimeter shape of the pool	.	.	.				<input type="checkbox"/>
Maximum water depth 20 inches, unless stairs are provided	.	.	.				<input type="checkbox"/>
If used as entry/exit, steps must be provided.	.	.	.				<input type="checkbox"/>
Wall return inlet for circulation if pool does not have perimeter overflow system	.	.	.				<input type="checkbox"/>

<b>9 Diving Facilities</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>T</b>	<b>S</b>	
See Section 265.186 (e)	*	*	*				<input type="checkbox"/>

<b>10 Starting Blocks</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>T</b>	<b>S</b>	
See Section 265.186 (h)	*						<input type="checkbox"/>

<b>11 Play Equipment</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>T</b>	<b>S</b>	
Design and installation meet CPSC standards	*	*	*	*			<input type="checkbox"/>

<b>12 Circulation System Turnover</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>T</b>	<b>S</b>	
Turnover rate for pools average depth 4 feet – 6 hours	.	.	.		*		<input type="checkbox"/>
Turnover rate for pools less than 4 feet – (average depth x 1.5)	.	.	.		*		<input type="checkbox"/>
Turnover rate for spas – 30 minutes					*	.	<input type="checkbox"/>
Turnover rate wading pools – 1 hour				.			<input type="checkbox"/>

<b>13 Circulation System General Requirements</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>T</b>	<b>S</b>	
Components accessible for inspection, installed according to manufacturer	.	.	.	.	.	.	<input type="checkbox"/>
Equipment and plumbing installed to minimize damage	.	.	.	.	.	.	<input type="checkbox"/>
Water velocity not to exceed 10 ft. per second for discharge	.	.	.	.	.	.	<input type="checkbox"/>
Water velocity not to exceed 6 feet per second for suction piping	.	.	.	.	.	.	<input type="checkbox"/>
Water velocity not to exceed 1.5 ft. per second through suction grates	.	.	.	.	.	.	<input type="checkbox"/>
Piping sized to permit rated flows without exceeding maximum head of pump	.	.	.	.	.	.	<input type="checkbox"/>
Hydraulic pressure test before deck is poured, maintained throughout pour	.	.	.	.	.	.	<input type="checkbox"/>
Piping and fittings non-toxic, NSF I approved, properly installed	.	.	.	.	.	.	<input type="checkbox"/>
Piping protected from freeze damage	.	.	.	.	.	.	<input type="checkbox"/>

Pump suction gauge installed close to suction side of pump	•	•	•	•	•	•	<input type="checkbox"/>
Filter inlet gauge installed in area of greatest pressure	•	•	•	•	•	•	<input type="checkbox"/>
Filter outlet gauge	•	•	•	•	•	•	<input type="checkbox"/>
Flow meter (gpm) capable of measuring 1.5 times design flow rate	•	•	•	•	•	•	<input type="checkbox"/>
Permanently labeled circulation piping – function and direction of flow	•	•	•	•	•	•	<input type="checkbox"/>

**14 Filters, Backwash**

	A	B	C	D	T	S	
Meet ANSI/NSFI 50-1996	•	•	•	•	•	•	<input type="checkbox"/>
Properly designed and installed for water clarity standards	•	•	•	•	•	•	<input type="checkbox"/>
Installed accessible to inspection	•	•	•	•	•	•	<input type="checkbox"/>
Both manual and automatic slow, safe air release as part of design	•	•	•	•	•	•	<input type="checkbox"/>
Permanent operation and maintenance instructions with warning, visible	•	•	•	•	•	•	<input type="checkbox"/>
Observable waste discharge – free fall or sight glass	•	•	•	•	•	•	<input type="checkbox"/>
Backwashed and maintained according to instructions	•	•	•	•	•	•	<input type="checkbox"/>

**15 Pumps and Motors**

	A	B	C	D	T	S	
Pumps and Motors comply with UL and NEMA requirements	•	•	•	•	•	•	<input type="checkbox"/>
Cross connection control device approved by TCEQ	•	•	•	•	•	•	<input type="checkbox"/>
Pump motor sized to meet filter flow rate requirements	•	•	•	•	•	•	<input type="checkbox"/>
Cleanable strainer installed upstream of pump	•	•	•	•	•	•	<input type="checkbox"/>
Pumps and motors accessible for inspection/repair	•	•	•	•	•	•	<input type="checkbox"/>
Pump seals corrosion resistant	•	•	•	•	•	•	<input type="checkbox"/>
Valves installed if pump below pool water level	•	•	•	•	•		<input type="checkbox"/>
Motor can operate pump with voltage variation of +/- 10% rating	•	•	•	•	•	•	<input type="checkbox"/>
Motors provide locked rotor and running protection	•	•	•	•	•	•	<input type="checkbox"/>

**16 Suction Outlets and Return Inlets**

	A	B	C	D	T	S	
Designed to protect against entrapment/entanglement/evisceration	•	•	•	•	•	•	<input type="checkbox"/>
Approved suction outlet cover or grate	•	•	•	•	•	•	<input type="checkbox"/>
Grates 12x12 if no approved cover, velocity doesn't exceed 1.5 feet per second	•	•	•	•	•	•	<input type="checkbox"/>
Installed according to manufacturer, stainless or brass fasteners	•	•	•	•	•	•	<input type="checkbox"/>
Dual main drains provided, hydraulically balanced	•	•	•	•	•	•	<input type="checkbox"/>
3-20' between covers or grates	•	•	•	•	•	•	<input type="checkbox"/>
Main drains located in deepest part of pool/spa floor	•	•	•	•	•	•	<input type="checkbox"/>
No isolating suction outlets so one is sole source of water to pump	•	•	•	•	•	•	<input type="checkbox"/>
Water velocity not to exceed 6 ft/second on suction pipes	•	•	•	•	•	•	<input type="checkbox"/>
Water velocity not to exceed 1.5 ft/second across 24" diagonal grate	•	•	•	•	•	•	<input type="checkbox"/>
Water velocity shall not exceed flow rate for approved covers	•	•	•	•	•	•	<input type="checkbox"/>
SVRS required for covers or grates less than 24" diag. in water ≤ 4 ft. deep	•	•	•	•	•	•	<input type="checkbox"/>
Covers and grates opened only with tool; stainless or brass fasteners	•	•	•	•	•	•	<input type="checkbox"/>
Replacement cover on site	•	•	•	•	•	•	<input type="checkbox"/>

<b>17 Vacuum Outlets</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>T</b>	<b>S</b>	
Provided with cover that automatically closes and latches	•	•	•	•		•	<input type="checkbox"/>
Installed between 12 and 18 inches deep or attached to skimmer	•	•	•	•		•	<input type="checkbox"/>
Skimmer equalizer lines with proper wall or drain covers	•	•	•	•		•	<input type="checkbox"/>
Automatic cleaners not operated while pool/spa in use	•	•	•	•		•	<input type="checkbox"/>
Check valves not used	•	•	•	•		•	<input type="checkbox"/>

<b>18 Clearance beneath cover or grate</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>T</b>	<b>S</b>	
Sump below grate required	•	•	•	•			<input type="checkbox"/>
Distance between cover/grate and suction pipe $\geq 1.5 \times$ pipe diameter or 8"	•	•	•	•		•	<input type="checkbox"/>
Sump below all open area of cover or grate	•	•	•	•		•	<input type="checkbox"/>
All other cover assemblies have recommended sump	•	•	•	•		•	<input type="checkbox"/>

<b>19 Return Inlets</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>T</b>	<b>S</b>	
One return inlet for each 300 square feet, minimum of 2 inlets (pool)	•	•	•	•	•		<input type="checkbox"/>
One return inlet for each 150 square feet, minimum of 2 inlets (spa)					•	•	<input type="checkbox"/>
Must not project more than 1 inch from wall	•	•	•	•	•	•	<input type="checkbox"/>
Must be at least 12 inches below water level	•	•	•	•	•	•	<input type="checkbox"/>
Floor return inlets flush with floor (15' radius influence)	•	•	•	•	•	•	<input type="checkbox"/>

<b>20 Skimmer/Gutter Systems</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>T</b>	<b>S</b>	
Systems designed/installed to prevent body or limb entrapment	•	•	•	•		•	<input type="checkbox"/>
Skimmers provided one per 500 square feet (pool)	•	•	•	•			<input type="checkbox"/>
Skimmers provided one per 150 square feet (spa)						•	<input type="checkbox"/>
Skimmer handles 100% water flow	•	•	•	•		•	<input type="checkbox"/>
Skimmer covers installed safely	•	•	•	•		•	<input type="checkbox"/>
Gutters provided for $\geq 50\%$ of pool perimeter	*	*	*	*		*	<input type="checkbox"/>
Gutter system surge capacity $\geq 1$ gallon per sq. ft. pool surface area	*	*	*	*		*	<input type="checkbox"/>
Gutter system surge capacity $\geq$ two gallons per sq. ft. spa surface area	*	*	*	*		*	<input type="checkbox"/>
Gutter system capable of 100% of circulation system flow	*	*	*	*		*	<input type="checkbox"/>
Operating water level above gutter lip	*	*	*	*		*	<input type="checkbox"/>

<b>21 Electrical Requirements</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>T</b>	<b>S</b>	
Electrical equipment installed per NEC (2002)	•	•	•	•	•	•	<input type="checkbox"/>
Electrical equipment UL or equivalent approved	•	•	•	•	•	•	<input type="checkbox"/>
GFCI protection on lighting, plugs, outlets, switches, breakers; location	•	•	•	•	•	•	<input type="checkbox"/>
Bonded and grounded	•	•	•	•	•	•	<input type="checkbox"/>
No plastic or epoxy coated rebar	•	•	•	•	•	•	<input type="checkbox"/>
Overhead lines above pools and spas and yards	•	•	•	•	•	•	<input type="checkbox"/>
Non-overhead lines $\geq 5$ feet from water's edge, encased	•	•	•	•	•	•	<input type="checkbox"/>
Electrical disconnect for service personnel, location	•	•	•	•	•	•	<input type="checkbox"/>

Location of other electrical equipment (see 265.192 (l))	.	.	.	.	.	.	<input type="checkbox"/>
Spa emergency shutoff switch labeled as "Emergency Spa Shutoff"					.	.	<input type="checkbox"/>
Shutoff located within sight of spa, or sign					.	.	<input type="checkbox"/>
Shutoff ≥ 5 feet from spa unless air switch					.	.	<input type="checkbox"/>
Minimum 2 electrical inspections during and after construction	.	.	.	.	.	.	<input type="checkbox"/>

**22 Heaters**

	A	B	C	D	T	S	
Installation and testing, energy source	.	.	.	.	.	.	<input type="checkbox"/>
Spa maximum temperature ≤ 104 degrees F					.	.	<input type="checkbox"/>
Break-resistant thermometer provided in spa					.	.	<input type="checkbox"/>
Temperature control not accessible to user					.	.	<input type="checkbox"/>

**23 Water Supply**

	A	B	C	D	T	S	
Potable, approved water supply	.	.	.	.	.	.	<input type="checkbox"/>
No direct connection to wastewater system	.	.	.	.	.	.	<input type="checkbox"/>
Fill spout: no trip hazard, ≤ 2" from pool edge, pliant end-piece, air gap	*	*	*	*	*	*	<input type="checkbox"/>
Backflow prevention on fill lines, pump priming devices	.	.	.	.	.	.	<input type="checkbox"/>

**24 Facility Drinking Water**

	A	B	C	D	T	S	
Potable water source	.	.	.	.	.	.	<input type="checkbox"/>
No cross connection	.	.	.	.	.	.	<input type="checkbox"/>
Drinking water fountain provided	.	.	.	.	.	.	<input type="checkbox"/>
Water lines comply with 30 TAC, Chapter 290, Subchapter D	.	.	.	.	.	.	<input type="checkbox"/>

**25 Waste Water Disposal**

	A	B	C	D	T	S	
Filter backwash as required by TCEQ	.	.	.	.	.	.	<input type="checkbox"/>
On-site sewage facility location	*	*	*	*	*	*	<input type="checkbox"/>
Backwash discharged through air gap	.	.	.	.	.	.	<input type="checkbox"/>

**26 Disinfectant and Chemical Feeders**

	A	B	C	D	T	S	
Equipment complies with ANSI/NSFI 50-1996	.	.	.	.	.	.	<input type="checkbox"/>
Pool shall be able to maintain 5 ppm Chlorine(outdoors) and 3 ppm (indoors)	.	.	.	.	.		<input type="checkbox"/>
Spa shall be able to maintain 8 ppm chlorine (outdoors) and 5 ppm (indoors)					.	.	<input type="checkbox"/>
Chemicals shall be stored away from pool/spa users, stored properly	.	.	.	.	.	.	<input type="checkbox"/>
Dry chemicals stored off the floor and protected	.	.	.	.	.	.	<input type="checkbox"/>
Chemical tanks properly labeled	.	.	.	.	.	.	<input type="checkbox"/>
Chemicals introduced downstream from filter and heater	.	.	.	.	.	.	<input type="checkbox"/>
Chemical feeders must comply with ANSI/NSFI 50-1996	.	.	.	.	.	.	<input type="checkbox"/>

	A	B	C	D	T	S	
<b>27 Gas Chlorination</b>	*	*	*	*	*	*	<input type="checkbox"/>

<b>28 Specific Safety Features</b>	A	B	C	D	T	S	
Handholds every 2 ft for depths $\geq 42$ " if not seat, bench, swimout, or lounge	.	.	.			.	<input type="checkbox"/>
Handholds may be coping, rope, railing, ledge, deck, negative edge, etc.	.	.	.			.	<input type="checkbox"/>
Handholds $\geq 4$ " wide, located $\leq 9$ inches above water level	.	.	.			.	<input type="checkbox"/>
Handholds overhang $\leq 2$ inches	.	.	.			.	<input type="checkbox"/>
4" wide visual separation from shallow to deep area (pools over 5' deep)	.	.	.				<input type="checkbox"/>
Float line and buoys provided 1-2 ft. before 5 ft. depth point (pools over 5' deep)	.	.					<input type="checkbox"/>
Float line and buoy secured and spaced $\leq 7$ foot intervals	.	.	*				<input type="checkbox"/>
Float line tightly tensioned, durable, good handhold	.	.	*				<input type="checkbox"/>
Float line wall anchors recessed, corrosion-resistant	.	.	*				<input type="checkbox"/>
Depth markers (DM) provided on sidewalls and decks	.	.	.	.			<input type="checkbox"/>
DM indicate depth from water level to floor taken 3 ft. from pool wall	.	.	.	.		.	<input type="checkbox"/>
Depth markers $\geq 4$ " in height, contrasting color, permanent	.	.	.	.		.	<input type="checkbox"/>
DM provided every 2' of depth change, uniform around pool	.	.	.	.			<input type="checkbox"/>
DM $\geq$ per side; $\geq$ one every 25' of deck	.	.	.	.		.	<input type="checkbox"/>
DM provided at min/max depth points and at 5' depth if over 5' deep	.	.	.	.			<input type="checkbox"/>
DM at all major deviations in regular shape	.	.	.	.			<input type="checkbox"/>
DM "Feet" and "inches" spelled out or "FT" and "IN" and fractions of a foot	.	.	.	.		.	<input type="checkbox"/>
DM on deck slip resistant and within 24" of water's edge	.	.	.	.		.	<input type="checkbox"/>
DM on sidewall posted at top 4.5" of pool wall	.	.	.	.			<input type="checkbox"/>
Depth markers positioned to be read by user	.	.	.	.		.	<input type="checkbox"/>
Other methods to mark depth (see 265-199 (c)(4))	.	.	.	.			<input type="checkbox"/>
"NO DIVING" words and symbol on pool deck, contrasting colors	.	.	.	.			<input type="checkbox"/>
"NO DIVING" and symbol in 4" letters in water $\leq 6$ feet deep	.	.	.	.			<input type="checkbox"/>
"NO DIVING" at extreme ends of min and max depth at 6' on all pool sides	.	.	.	.			<input type="checkbox"/>
"NO DIVING" warning within 24" of water's edge and positioned to be read	.	.	.	.			<input type="checkbox"/>
"NO DIVING on structures other than diving boards that may be used for diving	.	.	.	.			<input type="checkbox"/>
Signs securely mounted and visible from inside pool enclosure	.	.	.	.			<input type="checkbox"/>
"WARNING-NO LIFEGUARD ON DUTY" (4" letters)			.	.		.	<input type="checkbox"/>
"CHILDREN SHOULD NOT USE POOL WITHOUT ADULT SUPERVISION" (2" letters)	.	.	.	.			<input type="checkbox"/>
Directions to nearest telephone or emergency summoning device	.	.	.	.		.	<input type="checkbox"/>
Lifeguards properly certified	.	.	.	.			<input type="checkbox"/>
Lifeguards assigned area, not distracted	.	.	.	.			<input type="checkbox"/>
Lifeguards and second responders provided at competitive events	.						<input type="checkbox"/>
Lifeguard and second responder provided		.					<input type="checkbox"/>

Lifeguard and second responder provided if diving board or slide not locked			.				<input type="checkbox"/>
Lifeguard chairs and equipment	.	.	*				<input type="checkbox"/>
Reaching pole: 12', non-conductive, non-telescoping	.	.	.				<input type="checkbox"/>
Throw rope 1/4-3/8" dia., length ≥ 2/3 max. pool width; USCG ring buoy	.	.	.				<input type="checkbox"/>
Additional safety equipment per size of pool	.	.	.				<input type="checkbox"/>
Backboard in pool with slide, diving board, or lifeguard	.	.	.				<input type="checkbox"/>
24 item first aid kit that meets OSHA requirements	.	.	.				<input type="checkbox"/>
Phone summons emergency service and within 200 feet from water	.	.	.	.		.	<input type="checkbox"/>
Phone located outside of yard if fence is higher than 4'4"	.	.	.	.		.	<input type="checkbox"/>
Sign on exterior locked gates/doors with location of phone if outside enclosure	.	.	.	.		.	<input type="checkbox"/>
"In case of emergency, call 911" ≥ 1" letters inside yard, directions	.	.	.	.		.	<input type="checkbox"/>
Lighting above water level ≥ 0.5 watts/sq. ft. of surface areas	.	.	.	.		.	<input type="checkbox"/>
Underwater lighting installed at 0.5 watts per sq. ft.	.	.	.	.		.	<input type="checkbox"/>
Bottom of pool/spa readily seen without glare	.	.	.	.		.	<input type="checkbox"/>
Ventilation meets ASHRAE 62-1989	.	.	.	.	.	.	<input type="checkbox"/>
Special aquatic activity devices							<input type="checkbox"/>

**29 Pool/Spa Yard Enclosures**

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>T</b>	<b>S</b>	
Class A, B, and youth camp pools and spas	.	.	.	.		.	<input type="checkbox"/>
Apartments, POAs, etc., see Health and Safety Code Chapter 757.			.	*			<input type="checkbox"/>
<b>Other Class C Pools/Spas and Class D at Class C Facilities:</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>T</b>	<b>S</b>	
Height ≥ 4 feet			.	.		.	<input type="checkbox"/>
Openings in or under enclosure don't allow passage of 4" diameter sphere			.	.		.	<input type="checkbox"/>
No objects placed within 36" from outside of fence (prevent climbing)			.	.		.	<input type="checkbox"/>
Chain link enclosures prohibited			.	.		.	<input type="checkbox"/>
Windows, door, or gates capable of being opened prohibited			.	.		.	<input type="checkbox"/>
Gates/doors are self-closing and self-latching			.	.		.	<input type="checkbox"/>
Gates/doors open away from pool/spa			.	.		.	<input type="checkbox"/>
Gate/door opening hardware is hand-activated and ≥ 3.5 feet high			.	.		.	<input type="checkbox"/>
Gates/doors capable of being locked/secured			.	.		.	<input type="checkbox"/>

**30 Dressing/Sanitary Facilities**

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>T</b>	<b>S</b>	
Separate dressing/toilet facilities for each gender	.	.	*	*		*	<input type="checkbox"/>
Proper construction for cleaning/sanitation	.	.	*	*		*	<input type="checkbox"/>
Proper lighting and ventilation	.	.	*	*		*	<input type="checkbox"/>
Shower provided	.	.	*	*		*	<input type="checkbox"/>
Adequate floor drains and floor pitch to facilitate drainage	.	.	*	*		*	<input type="checkbox"/>
Hose bibs provided	.	.	.	.		.	<input type="checkbox"/>
Lavatories, showers, and toilets	.	.	*	*		*	<input type="checkbox"/>
Soap dispensers	.	.	*	*		*	<input type="checkbox"/>
Shatter resistant mirrors	.	.	*	*		*	<input type="checkbox"/>

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>T</b>	<b>S</b>	
Drinking fountains	•	•	•	•		•	<input type="checkbox"/>
Toilet paper	•	•	•	•		•	<input type="checkbox"/>
Baby changing tables	•	•	*	*		*	<input type="checkbox"/>
Covered trash can	•	•	*	*		*	<input type="checkbox"/>
Hand Drying towels/devices	•	•	*	*		*	<input type="checkbox"/>
Trash cans provided where food or beverages allowed	•	•	•	•		•	<input type="checkbox"/>

**31 Spa Special Requirements**

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>T</b>	<b>S</b>	
Depth ≤ 4 feet						•	<input type="checkbox"/>
Seat depth ≤ 24 inches						•	<input type="checkbox"/>
Air blower design meets ANSI/UL 1563-1995						•	<input type="checkbox"/>
Air intake shall not introduce dirt or contaminants into spa						•	<input type="checkbox"/>
Air induction system properly sized						•	<input type="checkbox"/>
Air blowers installed according to NEC						•	<input type="checkbox"/>
Air blower accessible for inspection and service						•	<input type="checkbox"/>
Air line pressure test 1.5 times operating pressure						•	<input type="checkbox"/>
15 minute manual timer for blower/circulation system						•	<input type="checkbox"/>
Depth markers (at least two) provided						•	<input type="checkbox"/>
“CHILDREN SHOULD NOT USE SPA WITHOUT ADULT SUPERVISION”						*	<input type="checkbox"/>
“DO NOT USE SPA, IF WATER TEMPERATURE IS ABOVE 104 DEGREES FAHRENHEIT (40 DEGREES CELSIUS)” in 1” letters						•	<input type="checkbox"/>

# Public Interactive Water Features and Fountains Checklist

## 1 Planning Materials

- Plans and specs submitted to department for review
- Recommended registered engineer stamp on plans to verify plan compliance
- No construction activity until plans approved by Environmental Health
- No alteration of plans unless approved by department

## 2 Operation and Maintenance

- Certified operator responsible
- Signs securely mounted, visible, easily read, contrasting colors, 2" letters
- "Non-Service Animals Prohibited"
- "Changing Diapers Within 6 Feet of the Water Feature is Prohibited"
- "Use Of The Water Feature If Ill With A Contagious Disease Is Prohibited"
- "Do Not Drink Water From The Water Feature"
- "Use Of The Water Feature When Ill With Diarrhea Is Prohibited"
- Posted contact number if no on-site operator, 2" letters
- Documentation §265.303(f)

## 3 Water Supply

- Potable initial water supply
- Protected against backflow and back siphonage; no direct connection
- Hose bibs protected with vacuum breaker
- Backwash discharged in accordance with TCEQ

## 4 Circulation and Disinfectant Systems

- Provides adequate circulation, 100% of turnover rate
- Conformity with NSF/ANSI 50 documented, if applicable
- If combined with pool water, turnover rate same as pool
- Minimum turnover once per hour
- Treatment tank accessible for cleaning, inspections; capable of complete draining
- Treatment tank with automatic level controller
- Treatment tank fill prevents back-flow/back-siphonage

## 5 Water Quality

- Automatic disinfectant and pH feed provides continuous and effective disinfection
- Capable of automatically adjusting chemical feed on demand
- Make-up water lines have air gap or other cross-connection control
- Prevent siphoning from recirculation system or chemical solution
- Incorporate fail-proof features if power fails
- Disinfectant and cyanuric acid meets levels listed Figure 25 TAC §265.306 (c)
- pH meets levels listed Figure 25 TAC §265.306 (d)
- Supplemental water treatment system for *Cryptosporidium* protection
- Water quality test kit provided by owner/operator

### UV Light Disinfection Systems:

- Conform to NSF/ANSI-50
- Dosage confirmed by third party – 3 log kill of *Cryptosporidium*





\*\*\*\*\*

**STATEMENT:** I hereby certify that the above information is correct, and I fully understand that any deviation from the above without prior permission from the City of Amarillo Environmental Health may delay final approval.

Signature \_\_\_\_\_

Owner or Responsible Representative

Printed Name \_\_\_\_\_

Date \_\_\_\_\_

\*\*\*\*\*

Approval of these plans and specifications by the City of Amarillo Environmental Health Department **does not** indicate compliance with any other code, law or regulation that may be required - federal, state, or local. It further does not constitute endorsement or acceptance of the completed facility (structure or equipment). A preopening inspection of the facility with equipment in place and operational will be necessary to determine if it complies with the local and state laws governing recreational water facilities.