

## CHECKLIST FOR PROPOSED\* PUBLIC WATER SUPPLY WELL/SPRING

The following list is a synopsis of the "Rules for Public Water Systems", 30 TAC Chapter 290 regarding proposed well/spring development. Plans and specifications meeting, but not limited, to the minimum requirements cited here shall be prepared under the supervision of a registered professional engineer and submitted to TCEQ, Water Supply Division, Utility Creation & Plan Review Team for approval. This list is not a substitute for the rules. Failure to submit the following items may delay project approval. Copies of the rules may be obtained from **Texas Register, P.O. Box 13824, Austin, TX, 78711-3824, Phone: 512/463-5561** or downloaded from our website at:

[http://www.tceq.state.tx.us/permitting/water\\_supply/ud/planrev.html](http://www.tceq.state.tx.us/permitting/water_supply/ud/planrev.html)

\*Please be aware that we have **added** the requirement for analysis for **radionuclides** for high risk counties listed on the back. For elevated levels of any contaminants found in a test well, treatment or blending may be required. For more information about this testing go to:

[http://www.tceq.state.tx.us/permitting/water\\_supply/pdw/chemicals/radionuclides/pdw\\_rad.html](http://www.tceq.state.tx.us/permitting/water_supply/pdw/chemicals/radionuclides/pdw_rad.html)

1.  A map showing the location of the well (Section 290.41(c)(3)(A) of the rules) or a scalable map with named roadways;
2.  A sealed engineer's report that sizes the well/spring capacity based on connections or people to be served;
3.  Identify individually all pollution hazards, present or potential. (Section 290.41(c)(1)(A)-(E) of the rules.) :
  - (¼ mile): abandoned or inoperative wells and existing/potential pollution hazards (see guidance);
  - (500 ft): sewage treatment plants, lands on which sewage plant or septic tank sludge is applied, lands irrigated by sewage plant effluent; animal feed lots, livestock and animal pens) solid waste disposal sites;
  - (300 ft): sewage wet wells, sewage pump stations, ditches containing sewage treatment waste or industrial waste;
  - (150 ft): septic tank perforated drain fields, absorption beds, evapotranspiration beds, privies underground fuel storage tanks; cemetery: areas irrigated by low dosage, low angle spray on-site sewage facilities; underground petrochemical storage tanks or pipelines; water wells that do not meet Public Drinking Water Standards;
  - ( 50 ft): tile or concrete sanitary sewers, septic tanks, livestock in pastures, or storm sewers;
4.  A draft of sanitary control easements. (Section 290.47(c) Appendix C of the rules.) Easements needed for adjoining properties shall be accompanied by written commitment to execute from the property owner. (Section 290.41(c)(1)(F) of the rules.);
5.  Minimize contamination of the underground water during drilling operation:
  - premises, materials, tools and drilling equipment (Section 290.41(c)(2) of the rules.)
  - water used for operations and fluids (Section 290.41(c)(2)(A) of the rules.)
  - slush pit (Section 290.41(c)(2)(B) of the rules.)
  - temporary toilet facilities (Section 290.41(c)(2)(C) of the rules.)
  - safeguards from trespassers (Section 290.41(c)(3)(E) of the rules.)
6.  Well casing:
  - conforms to AWWA standards (Section 290.41(c)(3)(B) of the rules.).
  - extends 18 inches above floor (Section 290.41(c)(3)(B) of the rules.).
  - extends to developed formation (Section 290.41(c)(3)(B) of the rules.).
  - contains no more than 8% lead (Section 290.41(c)(3)(B) of the rules.).
  - pressure cemented per AWWA Appendix C (except C.1 & C.2) (Section 290.41(c)(3)(C) of the rules.).
7.  Well gravel pack disinfected (Section 290.41(c)(3)(D) of the rules.).
8.  Well disinfected per AWWA for six hours (Section 290.41(c)(3)(F) of the rules.).
9.  Well head and sealing slab:
  - well head two feet above 100-year flood elevation (Section 290.41(c)(3)(K) of the rules.).
  - slab edge three feet from the well casing in all directions with slope (Section 290.41(c)(3)(J) of the rules.).
  - well head sealed by a gasket or sealing compound (Section 290.41(c)(3)(K) of the rules.).
  - blow-off line (Section 290.41(c)(3)(L) of the rules.).
  - sampling cock (Section 290.41(c)(3)(M) of the rules.).
  - flow measuring devices (Section 290.41(c)(3)(N) of the rules.).
10.  Intruder-resistant fences (Section 290.41(c)(3)(O) of the rules.).
11.  All-weather access road (Section 290.41(c)(3)(P) of the rules.).

## List of Counties where Radionuclide Testing is Required

For more information go to: [http://www.tceq.state.tx.us/permitting/water\\_supply/pdw/chemicals/radionuclides/pdw\\_rad.html](http://www.tceq.state.tx.us/permitting/water_supply/pdw/chemicals/radionuclides/pdw_rad.html)

COUNTY	STATE CODE #
Atascosa	007
Bexar	015
Bosque	018
Brazoria	020
Brewster	022
Burnet	027
Concho	048
Culberson	055
Dallam	056
Erath	072
Fort Bend	079
Frio	082
Gillespie	086
Gray	090
Grayson	091
Harris	101
Hudspeth	115
Irion	118
Jeff Davis	122
Kendall	130
Kerr	133
Liberty	146
Llano	150
Lubbock	152

CONTINUED	
McCulloch	154
Mason	160
Matagorda	161
Medina	163
Montgomery	170
Moore	171
Parker	184
Pecos	186
Polk	187
Presidio	189
Refugio	196
San Jacinto	204
San Saba	206
Tarrant	220
Tyler	229
Upton	231
Val Verde	233
Victoria	235
Walker	236
Washington	239
Wichita	243
Zavala	254