

### 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/waterperm/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/waterperm/pdw/pdw\\_rad.html](http://www.tceq.state.tx.us/permitting/waterperm/pdw/pdw_rad.html)

1. **G** 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. **G** A sealed engineer's report that sizes the well/spring capacity based on connections or people to be served;
3. **G** Identify individually all pollution hazards, present or potential. (Section 290.41(c)(1)(A)-(E) of the rules.) :
  - G** (¼ mile): abandoned or inoperative wells and existing/potential pollution hazards (see guidance);
  - G** (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;
  - G** (300 ft): sewage wet wells, sewage pump stations, ditches containing sewage treatment waste or industrial waste;
  - G** (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;
  - G** ( 50 ft): tile or concrete sanitary sewers, septic tanks, livestock in pastures, or storm sewers;
4. **G** 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. **G** 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. **G** 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. **G** Well gravel pack disinfected (Section 290.41(c)(3)(D) of the rules.).
8. **G** Well disinfected per AWWA for six hours (Section 290.41(c)(3)(F) of the rules.).
9. **G** 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. **G** Intruder-resistant fences (Section 290.41(c)(3)(O) of the rules.).
11. **G** 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/waterperm/pdw/pdw\\_rad.html](http://www.tceq.state.tx.us/permitting/waterperm/pdw/pdw_rad.html)

| COUNTY    | STATE CODE # |
|-----------|--------------|
| Atascosa  | 007          |
| Bexar     | 015          |
| Bosque    | 018          |
| Brazoria  | 020          |
| Brewster  | 022          |
| Burnet    | 027          |
| Concho    | 048          |
| Dallam    | 056          |
| Erath     | 072          |
| Fort Bend | 079          |
| Frio      | 082          |
| Gillespie | 086          |
| Gray      | 090          |
| Grayson   | 091          |
| Harris    | 101          |
| Irion     | 118          |
| Kendall   | 130          |
| Kerr      | 133          |
| Liberty   | 146          |
| Llano     | 150          |
| Lubbock   | 152          |
| McCulloch | 154          |

| CONTINUED   |     |
|-------------|-----|
| Mason       | 160 |
| Matagorda   | 161 |
| Medina      | 163 |
| Montgomery  | 170 |
| Moore       | 171 |
| Parker      | 184 |
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| Refugio     | 196 |
| San Jacinto | 204 |
| San Saba    | 206 |
| Tarrant     | 220 |
| Tyler       | 229 |
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| Val Verde   | 233 |
| Victoria    | 235 |
| Walker      | 236 |
| Washington  | 239 |
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