

# WELL CONSTRUCTION EXCEPTION CHECKLIST

30 Texas Administrative Code (TAC) §290.41(c)(3) requires that the construction, disinfection, protection, and testing of a Public Water Supply (PWS) well meet certain regulatory conditions. 30 TAC §290.46(n)(3) requires that certain documents pertaining to the completion of the well be retained by the PWS for as long as the well remains in service. When a PWS well does not meet these conditions and cannot be modified to comply with the requirements of the regulations, or if there is inadequate documentation regarding the construction of the well available from the time of its construction, a Well Construction Exception may be required. Please indicate below which Well Construction Exception(s) are being requested.

## TYPICAL TYPES OF WELL CONSTRUCTION EXCEPTIONS

<ul style="list-style-type: none"> <li><input type="checkbox"/> New carbon steel, high-strength low alloy steel, stainless steel or plastic well casing material complying with AWWA standards (41(c)(3)(B))</li> <li><input type="checkbox"/> Casing extends at least to the depth of the shallowest water layer to be developed (41(C)(3)(B))</li> <li><input type="checkbox"/> Casing extends a minimum of 18-inches above the elevation of the pump room floor or natural ground (41(c)(3)(B))</li> <li><input type="checkbox"/> Casing extends a minimum of 1-inch above any provided sealing block or motor foundation block (41(c)(3)(B))</li> <li><input type="checkbox"/> Methods in AWWA Standard A100-06 Appendix C Section C.2, C.3, C.4 or C.5 utilized to pressure cement well (41(c)(3)(C))</li> <li><input type="checkbox"/> Below ground-level pump room or pump pits (41(c)(3)(H))</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Well pump drainage, pack gland leakage and floor drainage flow away from well (41(c)(3)(I))</li> <li><input type="checkbox"/> Concrete sealing block size, thickness or slope (41(c)(3)(J))</li> <li><input type="checkbox"/> Well casing vent construction (41(c)(3)(K))</li> <li><input type="checkbox"/> Well casing vent screening (41(c)(3)(K))</li> <li><input type="checkbox"/> Wellhead and pump base sealing method (41(c)(3)(K))</li> <li><input type="checkbox"/> Blow-off line terminates in a downward direction and above flood waters (41(c)(3)(L))</li> <li><input type="checkbox"/> Sampling cock on discharge pipe (41(c)(3)(M))</li> <li><input type="checkbox"/> Negative slope site grading/ well located in topographic low spot (41(c)(3)(I))</li> <li><input type="checkbox"/> Flow measuring device installed (41(c)(3)(N))</li> </ul>
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A Well Construction Exception may be requested by correspondence to:

Technical Review and Oversight Team (MC-159)  
 Texas Commission on Environmental Quality  
 P.O. Box 13087  
 Austin, TX 78711-3087

**When requesting a Well Construction Exception please provide as much of the documentation below as you have.**

<ul style="list-style-type: none"> <li><input type="checkbox"/> Well driller's log and/or Driller's Geological Log</li> <li><input type="checkbox"/> Cementing Certificate (Cement type and any additives used, No. of sacks, and volume pumped) <sup>1</sup></li> <li><input type="checkbox"/> Legible copy of the sanitary control easement(s) <sup>2</sup></li> </ul> <p> <b>1. Information may be included on Well Drillers Log or as a separate document</b>  <b>2. Lack of this information may require the submittal of a Sanitary Control Easement Exception request</b> </p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Documentation of compliance with setback requirements between the well and certain pollution hazards <sup>3</sup></li> <li><input type="checkbox"/> Legible copy of USGS 7.5 minute topo map indicating well location</li> </ul> <p> <b>3. Lack of this information may require submittal of a Setback Exception request</b> </p>
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If you do not have a copy of the State of Texas Well Report (well driller's log), it may be available in the State database. In order to perform a search of the state well database please view the information at the following webpage:

<http://www.tceq.texas.gov/drinkingwater/SWAP/wells.html>

# Well Construction Exception Checklist

**Additionally, please provide the following items:**

□ A general location map and a detailed site map (include the scale and north direction arrow) or plat of the well site and surrounding effected properties identifying:

a. Location of the well

b. The area within a 150-foot radius around the well including property boundaries

□ A statement confirming the actual or suspected presence, or absence of the following hazards. **Note that if a hazard is present or suspected to be present within 500-feet of the well, indicate its location on the map that is submitted with the exception request.**

<p>Any of the following within <b>50</b> feet of the well:</p> <ul style="list-style-type: none"> <li>• Sanitary sewer<sup>1</sup></li> <li>• Septic tank or other tanks used to hold or treat sewage or sewerage appurtenance</li> <li>• Storm sewer<sup>1</sup></li> <li>• Cemetery</li> <li>• Livestock in pastures</li> </ul> <p><b>1. Sanitary or storm sewers constructed of ductile iron or PVC pipe with a working pressure of at least 150 pounds per square inch and meeting American Water Works Association standards, and with pressure type joints may be located at a distance of less than 50-feet, but no closer than 10-feet to the well.</b></p>	<p>Any of the following within <b>300</b> feet of the well:</p> <ul style="list-style-type: none"> <li>• Sewage wet well</li> <li>• Sewage pumping station</li> <li>• Drainage ditch which contains industrial waste discharges or wastes from sewage treatment systems</li> </ul>
<p>Any of the following within <b>150</b> feet of the well:</p> <ul style="list-style-type: none"> <li>• Septic tank perforated drainfield</li> <li>• Areas irrigated by low dosage, low angle spray on-site sewage facilities</li> <li>• Absorption and/or evapotranspiration bed</li> <li>• Improperly constructed water well.<sup>2</sup></li> <li>• Underground petroleum and chemical storage tank</li> <li>• Liquid petroleum or chemical transmission pipeline</li> </ul> <p><b>2. An improperly constructed well includes all wells not constructed to public water well standards (e.g. residential wells, industrial wells, agricultural wells).</b></p>	<p>Any of the following within <b>500</b> feet of the well:</p> <ul style="list-style-type: none"> <li>• Sewage treatment plant</li> <li>• Animal feed lots</li> <li>• Solid waste disposal sites</li> <li>• Lands on which sewage plant or septic tank sludge is applied</li> <li>• Lands irrigated by sewage plant effluent</li> </ul>
<ul style="list-style-type: none"> <li>• Any of the following within <b>0.25-miles</b> of the well <b>including but not limited to:</b> known abandoned or inoperative wells, landfills, dumpsites, animal feed lots, military facilities, industrial facilities, wood-treatment facilities, liquid petroleum and petrochemical production, storage and transmission facilities, Class 1, 2, 3, or 4 injection wells, and pesticide storage and mixing facilities.</li> </ul>	

For assistance in completing an exception request, you may call 512-239-4691 and ask to speak to a member of the Technical Review and Oversight Team.