## Pressure Cementing Method Exception Checklist

Title 30 of the Texas Administrative Code (30 TAC) §290.41(c)(3)(C) requires that for each public water system well, the annular space between the casing and the drill hole be sealed by a pressure cementing method, in accordance with the most current American Water Works Association (AWWA) Standards for Water Wells (A100), Appendix C:

1. Section C.2 (Positive Displacement Exterior Method);
2. Section C.3 (Interior Method Without Plug);
3. Section C.4 (Positive Placement, Interior Method, Drillable Plug); or
4. Section C.5 (Placement Through Float Shoe Attached to Bottom of Casing)

A cementing certificate and/or bonding log, as well as other documentation, may be required to ensure complete sealing of the annular space. Additional information detailing the cement specifications, including the type of cement and percentage of bentonite, is also helpful. If this well information is not available, or the existing information does not show this level of detail, an exception to TCEQ’s pressure cementing method may be requested by correspondence to the following address:

Technical Review and Oversight Team (MC-159)

Texas Commission on Environmental Quality

P.O. Box 13087

Austin, TX 78711-3087

**Please provide as much of the documentation below as possible:**

* State of Texas Well Report (Driller’s Log)[[1]](#footnote-1)
* Driller’s Geological Log1,[[2]](#footnote-2)
* Casing depth and material1,2
* Legible, official copy of recorded sanitary control easement(s) for all property not owned by the PWS, within 150 feet of the well.[[3]](#footnote-3)

If you do not have a copy of the State of Texas Well Report (driller’s log), it may be available in one of the searchable resources for well logs:

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

<http://www.twdb.texas.gov/groundwater/data/drillersdb.asp>

<https://tceq.maps.arcgis.com/apps/webappviewer/index.html?id=aed10178f0434f2781daff19eb326fe2>

**Additionally, the following information must accompany the exception request:**

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

1. Location and coordinates of the well.
2. The area within a 150-foot radius around the well.
3. Property boundaries for all properties within 150 feet of the well. Identify the property by the name of the property owner and legal description.

Information about property owners, legal descriptions of properties, and boundaries may be found at the appropriate county appraisal district (CAD) website by performing an internet search using the county name and “CAD” as search terms. You may also use the following website:

<http://www.texascad.com/>

* Detailed map (include the scale and north direction arrow) or plat identifying:

1. Location of the well; and
2. Nearby hazards (see table below).

* 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, an exception to the well setback requirement will be needed.**

Any of the following within **50** feet of the well:

* Sanitary sewer[[4]](#footnote-4)
* Septic tank other tanks used to hold or treat sewage or sewerage appurtenance
* Storm sewer4
* Cemetery
* Livestock in pastures

Any of the following within **150** feet of the well:

* Septic tank perforated drainfield
* Areas irrigated by low dosage, low-angle-spray on-site sewage facilities
* Absorption and/or evapotranspiration bed
* Improperly constructed water well[[5]](#footnote-5)
* Underground petroleum and chemical storage tank
* Liquid petroleum or chemical transmission pipeline

Any of the following within **300** feet of the well:

* Sewage wet well
* Sewage pumping station
* Drainage ditch which contains industrial waste discharges or wastes from sewage treatment systems

Any of the following within **500** feet of the well:

* Sewage treatment plant
* Animal feed lots
* Solid waste disposal sites
* Lands on which sewage plant or septic tank sludge is applied
* Lands irrigated by sewage plant effluent

Any pollution hazards within **0.25-miles** of the well **including but not limited to**:

* 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, 4, or 5 injection wells
* Pesticide storage and mixing facilities

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.

1. Lack of this information may require the submittal of a Well Completion Data and/or Record Keeping Exception request. [↑](#footnote-ref-1)
2. This information may be included on Well Driller’s Log or as a separate document. [↑](#footnote-ref-2)
3. Lack of this information may require submittal of a Sanitary Control Easement Exception request. [↑](#footnote-ref-3)
4. 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. Note that structure drain lines must comply with this setback requirement. [↑](#footnote-ref-4)
5. An improperly constructed well includes all wells not constructed to public water well standards (e.g. residential wells, industrial wells, agricultural wells). [↑](#footnote-ref-5)