



CERTIFICATION OF GROUNDWATER AVAILABILITY FOR PLATTING FORM

Use of this form: This form was developed by TCEQ consistent with 30 Texas Administrative Code, Chapter 230. The purpose of the form is to certify that adequate groundwater is available beneath a subdivision if that groundwater will be used to supply water to the subdivision.

The form must be submitted by plat applicants and certified by a Texas licensed professional engineer or Texas licensed professional geoscientist as part of an application to a platting authority. The platting authority could be a municipal authority pursuant to Texas Local Government Code (TLGC) Section 212.0101 or a county authority pursuant to TLGC 232.0032.

The form and 30 TAC Chapter 230 do not replace state or federal requirements applicable to public drinking water systems nor the authority of counties or groundwater conservation districts under the Texas Water Code.

For any questions regarding this form, contact the TCEQ Water Availability Division, Groundwater Planning and Assessment Team at GPAT@tceq.texas.gov or by phone at (512) 239-4600.



Certification of Groundwater Availability for Platting Form

Administrative Information, 30 TAC 230.4

1. Name of Proposed Subdivision:

2. Any Previous Names that Identify the Tract of Land:

3. Property Owner(s) Information:
Name:
Address:
Phone: Fax:
Email:
4. Plat Applicant Information:
Name:
Address:
Phone: Fax:
Email:
5. Licensed Professional Engineer or Geoscientist Information:
Name:
Address:
Phone: Fax:
Email:
Certificate / License Number:
6. Location and Property Description of Proposed Subdivision:

7. Tax Assessor Parcel Number(s).

Book:

Map:

Parcel:

8. Groundwater Conservation District Information:

Name:

Address:

Phone:

Fax:

Email:

Proposed Subdivision Information, 30 TAC 230.5

9. Purpose of Proposed Subdivision (single family/multi-family residential, non-residential, commercial, other):

If "Other," explain:

10. Size of Proposed Subdivision (in acres):

11. Number of Proposed Lots:

12. Average Size of Proposed Lots (in acres):

13. Anticipated Method of Water Distribution (check all that apply). If any options related to PWS are checked below, number 14 must be answered YES.

Expansion of Existing Public Water System (PWS)

New (Proposed) PWS System

Individual Water Wells to Serve Individual Lots

Combination of Methods (Describe below)

Description, if needed:

14. If PWS is anticipated, a written application for service for existing water providers within a one-half mile radius must be attached to this form (30 TAC 230.5(f)). Is this application for service for existing water providers attached to this form?

YES

N/A

15. Additional Information, if required by the municipal or county authority:

Projected Water Demand Estimate, 30 TAC 230.6

16. Residential Water Demand estimate at Full Build Out (includes both single family and multi-family residential):

- a. Number of Proposed Housing Units (single and multi-family):
- b. Average Number of Persons Per Housing Unit:
- c. Volume of Water Required Per Person Per Day (gallons):
- d. Water Demand Per Housing Unit Per Year (acre-feet):
- e. Total Expected Residential Water Demand Per Year (acre-feet):

17. Non-Residential Water Demand Estimate at Full Build-Out (acre-feet/year):

- a. Type(s) of Non-Residential Water Use(s):

- b. Water Demand Per Type Per Year (acre-feet):

18. Total Water Demand Estimate at Full Build-Out (acre-feet/year):

19. Sources of Information Used for Demand Estimates:

General Groundwater Resource Information, 30 TAC 230.7

20. Identify and describe the aquifer(s) that underlie(s) the proposed subdivision, using Texas Water Development Board (TWDB) names:

Note: Users may refer to the most recent State Water Plan, Groundwater Management Area Desired Future Condition adoption, and Groundwater Availability Model to obtain general information pertaining to the state's aquifers. The State Water Plan is available on TWDB's webpage at:

<https://www.twdb.texas.gov/waterplanning/swp/index.asp>

Obtaining Site-Specific Groundwater Data, 30 TAC 230.8

Answer by checking YES or NO for each of the following questions. For any "NO" response, please provide an explanation in question number 45.

- | | | | |
|-----|-----|----|--|
| 21. | YES | NO | Have all known existing, abandoned, and inoperative wells within the proposed subdivision been located, identified, and shown on the plat as required under 30 TAC 230.8(b)? |
| 22. | YES | NO | Were the geologic and groundwater resource factors identified under 30 TAC 230.7(b) considered in planning and designing the aquifer test required under 30 TAC 230.8(c)? |
| 23. | YES | NO | Have test and observation wells been located, drilled, logged, completed, developed, and shown on the plat as required by 30 TAC 230.8(c)(1) through (4)? |
| 24. | YES | NO | Have all reasonable precautions been taken to ensure that contaminants do not reach the subsurface environment and that undesirable groundwater has been confined to the zone(s) of origin (30 TAC 230.8(c)(5))? |
| 25. | YES | NO | Has an aquifer test been conducted which meets the requirements of 30 TAC 230.8(c)(1) and (6)? |
| 26. | YES | NO | Were existing wells or previous aquifer test data used? |
| 27. | YES | NO | If YES to number 26, did they meet the requirements of 30 TAC 230.8(c)(7)? |
| | | | If NO to number 26, check N/A. |
| 28. | YES | NO | Were additional observation wells or aquifer testing utilized? |

Note: If the anticipated method of water distribution for the proposed subdivision is expansion of an existing public water system (PWS) or a new PWS, site-specific groundwater data shall be developed under the requirements of 30 TAC, Chapter 290, Subchapter D, *Rules and Regulations for Public Water Systems*, and the applicable information and correspondence developed in meeting those requirements shall be attached to this form pursuant to 30 TAC 230.8(a). Per 230.8(c) the aquifer test must provide sufficient information to allow evaluation of each aquifer that is being considered as a source of residential and non-residential water supply for the proposed subdivision.

Determination of Groundwater Quality, 30 TAC 230.9

Answer by checking YES or NO for each of the following questions. For any "NO" response, please provide an explanation in question number 45.

29. YES NO Have water quality samples been collected as required by 30 TAC 230.9?
30. YES NO Has a water quality analysis been performed which meets the requirements of 30 TAC 230.9?

Determination of Groundwater Availability, 30 TAC 230.10

Complete the following by filling in the blanks or answering YES, NO, or N/A as applicable. For any NO or N/A, please provide explanation on number 45.

31. YES NO Have the aquifer parameters required by 30 TAC 230.10(c) been determined?
32. If YES, provide the aquifer parameters as determined, including units as applicable (check here if a. through h. below are N/A: ☐):
- a. Rate of yield and drawdown:
 - b. Specific capacity:
 - c. Efficiency of the pumped well:
 - d. Transmissivity:
 - e. Coefficient of storage:
 - f. Hydraulic conductivity:
 - g. Were any recharge or barrier boundaries detected? YES NO
- If YES, please describe:

- h. Thickness of aquifer(s):

33. YES NO Have time-drawdown determinations been calculated as required under 30 TAC 230.10(d)(1)?
34. YES NO Have distance-drawdown determinations been calculated as required under 30 TAC 230.10(d)(2)?
35. YES NO Have well interference determinations been made as required under 30 TAC 230.10(d)(3)?
36. YES NO Has the anticipated method of water delivery, the annual groundwater demand estimates at full build out, and geologic and groundwater information been taken into account in making these determinations?
37. YES NO Has the water quality analysis required under 30 TAC 230.9 been compared to primary and secondary public drinking water standards as required under 30 TAC 230.10(e)?
38. YES NO Does the concentration of any analyzed constituent exceed the standards?

If YES, list the constituent(s) and concentration measure(s) that exceed standards:

Groundwater Availability and Usability Statements, 30 TAC 230.11(a) and (b)

Complete the following by filling in the blanks or answering YES/NO as applicable. For any "NO" response, please provide an explanation in question number 45:

39. Drawdown of the aquifer at the pumped well(s) is estimated to be _____ feet over a ten-year period and _____ feet over a 30-year period.
40. Drawdown of the aquifer at the property boundary is estimated to be _____ feet over a ten-year period and _____ feet over a 30-year period.
41. The distance from the pumped well(s) to the outer edges of the cone(s)-of-depression is estimated to be _____ feet over a ten-year period and _____ feet over a 30-year period.
42. The recommended minimum spacing limit between wells is _____ feet with a recommended well yield of _____ gallons per minute per well.
43. Available groundwater is of sufficient quality to meet the intended use of the platted subdivision. YES NO
44. The groundwater availability determination does not consider the following conditions (identify any assumptions or uncertainties that are inherent in the groundwater availability determination):

45. Provide explanation for any NO or N/A answered in any section above, and include the associated question number:

Certification of Groundwater Availability (30 TAC 230.11(c))

Must be signed by a Texas Licensed Professional Engineer or a Texas Licensed Professional Geoscientist.

46. I, _____, a
Texas Licensed Professional Engineer,
Texas Licensed Professional Geoscientist,
license number _____, based on best professional judgment, current
groundwater conditions, and the information developed and presented in this
form, certify that adequate groundwater is available from the underlying
aquifer(s) to supply the anticipated use of the proposed subdivision.

Signature

Date

(affix seal)