



Control Number: 49312



Item Number: 15

Addendum StartPage: 0

DOCKET NO. 49312

RECEIVED

APPLICATION OF QUADVEST, L.P. TO §
AMEND ITS WATER CERTIFICATE OF §
CONVENIENCE AND NECESSITY IN §
MONTGOMERY COUNTY

PUBLIC UTILITY COMMISSION

2019 AUG 16 AM 10:38
PUBLIC UTILITY COMMISSION
OF TEXAS
FILING CLERK

Enclosed is the TCEQ construction approval letter.

Yvette McNellie

Yvette McNellie
Quadvest, L.P.
26926 FM 2978
Magnolia, TX 77354
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yvette@quadvest.com

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Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Toby Baker, *Executive Director*



PWS_1700897_CO_20190701_Plan Ltr

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

July 1, 2019

Mr. Mark L. Urback, P.E.
Quadvest, L.P.
26926 FM 2978
Magnolia, Texas 77354

Re: Lakewood Trails - Public Water System ID No. 1700897
Proposed Well and Water Plant
Engineer Contact Telephone: (281) 356-5347
Plan Review Log No. P-05022019-011
Montgomery County, Texas

CN60294746; RN110757226

Dear Mr. Urback:

On May 2, 2019, the Texas Commission on Environmental Quality (TCEQ) received planning material with your letter dated March 20, 2019 for the proposed Well and Water Plant for the above referenced public water system. Based on our review of the information submitted, the project generally meets the minimum requirements of Title 30 Texas Administrative Code (TAC) Chapter 290 - Rules and Regulations for Public Water Systems and is **conditionally approved for construction** if the project meets the following requirements:

1. Three corrosive indices (Langelier Saturation Index, Ryznar Stability Index and the Aggressive Index) will be used to calculate corrosivity of the water from new source(s). Corrosive or aggressive water could result in aesthetic problems, increased levels of toxic metals, and deterioration of household plumbing and fixtures. **If the water appears to be corrosive**, the system will be required to conduct a study and submit an engineering report that addresses corrosivity issues or may choose to install corrosion control treatment **before use may be granted**. All changes in treatment require submittal of plans and specifications for approval by TCEQ.

Texas Water Code Section 36.0015 allows for the creation of groundwater conservation districts (GCDs) as the preferred method of groundwater management. GCDs manage groundwater in many counties and are authorized to regulate production and spacing of water wells. **Public water systems drilling wells within an existing GCD are responsible for meeting the GCD's requirements**. The authorization provided in this letter does not affect GCD authority to manage groundwater or issue permits.

The design engineer or water system representative is required to notify the Plan Review Team in writing by fax at (512) 239-6972 or by emailing pritesh.tripathi@tceq.texas.gov and cc: vera.poe@tceq.texas.gov at least 48 hours before the well casing pressure cementing begins. If pressure cementing is to begin on Monday, then they must give notification on the preceding Thursday. If pressure cementing is to begin on Tuesday, then they must give notification on the preceding Friday.

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The TCEQ does not approve this well for use as a public water supply at this time. We have enclosed a copy of the "Public Well Completion Data Checklist for Interim Approval (Step 2)". We provide this checklist to help you in obtaining approval to use this well.

The submittal consisted of 11 sheets of engineering drawings, technical specifications and an engineering summary. The proposed project consists of:

- One (1) public water supply well drilled to 580 feet with 530 linear feet (lf) of 6-inch outside diameter (od) pressure cemented steel casing;
- 25 lf of 4-inch od stainless steel screen, 30 lf of 4-inches of od blank steel liner with gravel pack;
- The well is rated for 98 gallons per minute (gpm) yield with a 10-horsepower submersible pump set at 362 feet below ground level. The design capacity of the pump is 98 gpm at 306 feet total dynamic head;
- 80,000-gallon factory coated bolted steel American Water Works Association D103 standard ground storage tank;
- 10,000-gallon American Society of Mechanical Engineers code hydropneumatic water pressure tank;
- Pump house with three (3) 10 HP booster pumps, each rated 600 gallons per minute at 150 feet total dynamic head;
- Hypochlorite disinfection system consisting of a 55-gallon drum and a positive displacement metering pump rated at 22 gallons per day;
- Intruder resistance fences;
- Well sealing block;
- One 180 kW rated emergency/standby diesel-powered generator;
- All weather access road; and
- Related valves, fittings, well head piping, yard piping, controls and related appurtenances.

This approval is for the construction of the above listed items only.

The Lakewood Trails public water system provides water treatment.

The project is located approximately 2¼ miles east of the intersection of Highway 105 East and FM 1485 in Montgomery County, Texas.

An appointed engineer must notify the TCEQ's Region 12 Office in Houston at (713) 767-3500 when construction will start. Please keep in mind that upon completion of the water works project, the engineer or owner will notify the commission's Water Supply Division, in writing, as to its completion and attest to the fact that the completed work is substantially in accordance with the plans and change orders on file with the commission as required in 30 TAC §290.39(h)(3).

Please refer to the Plan Review Team's Log No. **P-05022019-011** in all correspondence for this project.

Please complete a copy of the most current Public Water System Plan Review Submittal form for any future submittals to TCEQ. Every blank on the form must be completed to minimize any delays in the review of your project. The document is available on TCEQ's website at the address shown below. You can also download the most current plan submittal checklists and forms from the same address.

<https://www.tceq.texas.gov/drinkingwater/udpubs.html>

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For future reference, you can review part of the Plan Review Team's database to see if we have received your project. This is available on TCEQ's website at the following address:

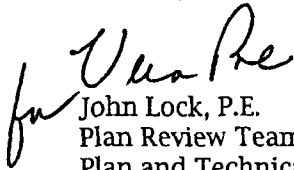
<https://www.tceq.texas.gov/drinkingwater/planrev.html/#status>

You can download the latest revision of 30 TAC Chapter 290 - Rules and Regulations for Public Water Systems from this site.

If you have any questions concerning this letter or need further assistance, please contact Pritesh Tripathi at (512)239-3794 or by email at pritesh.tripathi@tceq.texas.gov or by correspondence at the following address:

Plan Review Team, MC-159
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

Sincerely,



John Lock, P.E.
Plan Review Team
Plan and Technical Review Section
Water Supply Division
Texas Commission on Environmental Quality



Vera Poe, P.E., Team Leader
Plan Review Team
Plan and Technical Review Section
Water Supply Division
Texas Commission on Environmental Quality

VP/JL/PT/SS

Enclosure: "Public Well Completion Data Checklist for Interim Approval (Step 2)"

cc: Lakewood Trails, Attn: Simon Sequeira, President, 26926 FM 2978, Magnolia, Texas
77354