



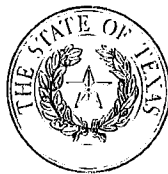
Control Number: 43119



Item Number: 6

Addendum StartPage: 0

Bryan W. Shaw, Ph.D., P.E., *Chairman*  
Toby Baker, *Commissioner*  
Zak Covar, *Commissioner*  
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PWS\_0200706\_CO\_20140820\_Plan Ltr

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY PUBLIC UTILITY COMMISSION  
FILING CLERK

*Protecting Texas by Reducing and Preventing Pollution*

August 20, 2014

Ms. Janice H. Shafer, P.E.  
LJA Engineering, Inc.  
2929 Briarpark Drvie  
Houston, TX 77042

Re: Brazoria County Muncipal Utility District No. 22 - Public Water System ID No. 0200706  
Proposed Distribution System to Serve Laurel Heights at Savannah Sections 1, 2, and 3  
Engineer Contact Telephone: (713) 358-8814  
Plan Review Log No. P-06092014-040  
Reference Log No. P-03282014-156  
Brazoria County, Texas

CN600736250; RN107667727

Dear Ms. Shafer:

On June 9, 2014, the Texas Commission on Environmental Quality (TCEQ) received planning material with your letter dated July 2, 2014 for the proposed distribution system. Additional planning material was received on June 27, 2014. Based on our review 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 plans and specifications meet the following requirements:

1. Please ensure that the **water service lines** must also be designed, installed, and constructed in accordance with current American Water Works Association (AWWA) standards with reference to materials to be used and construction procedure to be followed. In the absence of AWWA standards, American Society of Testing Materials (ASTM) standards may be used in accordance with 30 TAC §290.44(a). However, all plastic pipes for use in public water systems must bear National Sanitation Foundation (NSF) Seal of Approval (NSF-pw) and have an ASTM design pressure rating of at least 150 pound per square inch (psi) or a standard dimension ratio (DR) of 26 or less per 30 TAC §290.44(a)(2). **Please note** this criteria in your plans and/or specifications.

A handwritten signature in black ink, appearing to be a stylized 'L' or '4'.

Ms. Janice H. Shafer, P.E.

Page 2

August 20, 2014

2. Plan Sheet 15 of 32 shows that one water service line, which is connected with the proposed 8-inch waterline on Applewood Crest Lane for Lots No. 4 and 5, and one sewer service line which is connected with the proposed 8-inch sewer main for Lots No. 26 and 28. These items look like they are less than nine (9) feet away from each other. **Please verify** the separation distance and revise as needed per 30 TAC §290.44(e)(1).
3. The engineering plans and technical specifications state that AWWA standard C900 Class 150 DR 18 polyvinyl chloride (PVC) pipes are to be used for the proposed waterlines. However, when DR of the PVC pipes is 18 or 25, the pressure rating shall be Class 235 or 165, respectively, according to current AWWA Standard C900. Please update your plans and technical specifications accordingly.

The submittal consisted of 32 sheets of engineering drawings, a copy of Joint Facility/Cost Sharing Agreement, system pressure modeling result, and technical specifications.

The additional planning material states that this proposed water system will be connected with an existing water system, which is operated and maintained by Brazoria County Municipal Utility District (BCMUD) No. 21, at two points. However, both water systems will be operated as one combined system and the connections are not metered or controlled by valves. It is anticipated that three additional connection points will be added between the two systems in the future.

As both water systems will be operated and maintained as one combined system by the same operator, the operator will ensure the sanitary control on the combined system including the points of interconnections per 30 TAC §290.44(g)(1)(A).

It is noted that BCMUD No. 22 has submitted an application for obtaining a Certificate of Convenience and Necessity (CCN). The CCN application is currently under TCEQ's review.

The proposed project consists of:

- Approximately 1,315 linear feet (lf) of 4-inch American Water Works Association (AWWA) Standard C900, DR 18 **or** class 165, PVC waterlines;
- Approximately 5,483 lf of 8-inch AWWA Standard C900, DR 18 **or** class 165 PVC waterlines;
- Approximately 770 lf of 12-inch AWWA Standard C900, DR 18 **or** class 165 PVC waterlines; and
- Various fittings, valves, and other related appurtenances.

Ms. Janice H. Shafer, P.E.  
Page 3  
August 20, 2014

The proposed project is located at north of County Road (CR) 58 (Post Road), approximately 0.95 miles east of the intersection between CR 58 and Old Airline Road (CR 48), in Pearland, Brazoria County, Texas.

BCMUD No 21 will provide water treatment for the proposed public water system.

An appointed engineer must notify the TCEQ's Region Office 11 in Austin at (512) 239-2929 when construction will start. Please keep in mind that upon completion of the water works project, the engineer or owner will notify the TCEQ's Water Supply Division, in writing, as to its completion and attest to the fact that the work has been completed essentially according to the plans and change orders on file with the TCEQ as required in 30 TAC §290.39(h)(3).

Please refer to the Utilities Technical Review Team's Log No. P-06092014-040 in all correspondence for this project. This will help complete our review and prevent it from being considered a new project.

Please complete a copy of the most current Public Water System Plan Review Submittal form for any future submittal 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 our website at the address shown below.

<http://www.tceq.texas.gov/utilities/publist.html/#checklists>

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

<http://www.tceq.texas.gov/utilities/planrev.html#status>

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

Ms. Janice H. Shafer, P.E.  
Page 4  
August 20, 2014

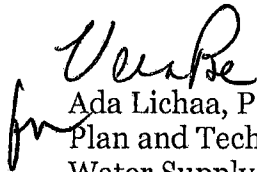
If you have any questions regarding this letter or need further assistance, please contact Mr. Jonathan Pi at 512-239-6968 or by email at "jonathan.pi@tceq.texas.gov" or by correspondence at the following address:

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

Sincerely,



Jonathan Pi, P.E.  
Utilities Technical Review Team  
Plan and Technical Review Section  
Water Supply Division  
Texas Commission on Environmental Quality



Ada Lichaa, P.G., Manager  
Plan and Technical Review Section  
Water Supply Division  
Texas Commission on Environmental Quality

vp/jjc/jp/av

cc: Brazoria County MUD No. 22 Same c/o Allen Boone Humphries Robinson, LLP.,  
Attn: Ms. Staci Posten, President, 3200 Southwest Freeway, Suite 2600,  
Houston, TX 77027-7597

Ms. Janice H. Shafer, P.E.

Page 5

August 20, 2014

bcc: TCEQ Central Records PWS File 0200706  
TCEQ Region No. 12 Office - Houston