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PWS_0160002_CO_20150323_Plan Ltr

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

March 23, 2015

Mr. Marvin W. Reavis, P.E.
Reavis Consulting Engineers
2003 North Mays Suite 105
Round Rock, TX 78664

Re: City of Blanco - Public Water System ID No. 0160002
Proposed Water Treatment Plant (WTP) Improvements
Engineer Contact Telephone: (512) 238-1358
Plan Review Log No.: P-01162015-072
Blanco County, Texas

CN600663728; RN101389047

Dear Mr. Reavis:

On January 16, 2015, the Texas Commission on Environmental Quality (TCEQ) received planning material with your letter dated January 15, 2015 for the proposed WTP improvements. Based on our review the project generally meets the minimum requirements of the Title 30 Texas Administrative Code (TAC) Chapter 290 - Rules and Regulations for Public Water Systems (Rules) and is **conditionally approved for construction** if the project plans and specifications meet the following requirement(s):

1. The clearwell shall be painted, disinfected, and maintained in strict accordance with current American Water Works Association (AWWA) standards. However, no temporary coatings, wax grease coatings, or coating materials containing lead will be allowed. No other coatings will be allowed which are not approved for use (as a contact surface with potable water) by the Environmental Protection Agency, National Sanitation Foundation (NSF), or United States Food and Drug Administration (FDA). All newly installed coatings must conform to American National Standards Institute/National Sanitation Foundation (ANSI/NSF) Standard 61 and must be certified by an organization accredited by ANSI per 30 TAC Section 290.43(c)(8).
2. Please ensure that this project must be in strict accordance with applicable local, state, and federal regulations and rules to limit exposure and disposal of wastes including the removal and disposal of the existing paints from the existing water storage facilities properly.
3. The outdated version of AWWA Standard D102-78 is cited in Section §09910 and §09950. Please update it to the current AWWA Standard D102-11.

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4. All chemicals and any additional or replacement process media used in treatment of water supplied by public water systems must conform to ANSI/NSF Standard 60 for direct additives and ANSI/NSF Standard 61 for indirect additives. Conformance with these standards must be obtained by certification of the product by an organization accredited by ANSI as required by 30 TAC §290.42(j) for treatment chemicals and media.
5. For facilities equipped with air scour, the backwash facilities shall be capable of expanding the filtering bed at least 15% during the backwash cycle as required by 30 TAC§ 290.42(d)(11)(F)(iv)(I).

The submittal consisted of seven sheets of engineering drawings, a location map and technical specifications. The approved project consists of:

- Renovation of one (1) 500,000 gallon existing steel clearwell including blasting and recoating of interior and exterior surfaces;
- Installation of one (1) 30-inch roof hatch and a 30-inch diameter side hatch;
- One (1) aeration system built at bottom of clearwell with approximately dimensions of 20 feet by 20 feet and comfort of steel piping and diffusers with a total capacity of 250 Standard Cubic Feet per Minute (SCFM) for THM and HAAC reduction;
- Renovation of two (2) existing gravity filters with dimensions of 10-foot diameter x 10-foot high, including blasting and recoating of interior and exterior surfaces. Replacement of filter media (anthracite, sand and gravel) with depth of 60-inch and renovations of the underdrain system, and;
- Installation of one (1) aeration backwash system for the two (2) filters conforming of steel piping and total capacity of 250 SCFM.

This approval is for the construction of the above listed items only. Any wastewater components contained in this design were not considered.

The plant is located at the 1015 Fulscher Street, Blanco, Texas.

The City of Blanco public water supply system provides water treatment for the 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 commission'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 commission as required in Title 30 TAC §290.39(h)(3).

Please refer to the Utilities Technical Review Team's Log No. P-01162015-072 in all correspondence for this project. This will help complete our review and prevent it from being considered a new project.

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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/drinkingwater/planrev.html>

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/drinkingwater/planrev.html#status>

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

If you have any questions please contact Mr. Jose J. Castillo, P.E. at (512)239-4787 or by email at "jose.castillo@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,



Jose J. Castillo, P.E.
Utilities Technical Review Team
Plan and Technical Review Section
Water Supply Division
Texas Commission on Environmental Quality



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

vp/jjc/av

cc: City of Blanco, Attn: Mr. Chuck Homan, P.O. Box 750, Blanco, Texas 78606-0750