

Bryan W. Shaw, Ph.D., *Chairman*
Carlos Rubinstein, *Commissioner*
Toby Baker, *Commissioner*
Zak Covar, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

April 8, 2013

Kerry D. Maroney, P.E.
Biggs & Mathews, Inc.
2500 Brook St.
Wichita Falls, Texas 76301

Re: City of Wichita Falls
Temporary Direct Potable Reuse Conveyance Facilities
Permit No. 10509-005
WWPR Log No. 0413/021
CN600129316; RN101611051
Wichita County

Dear Mr. Maroney:

We have received the project summary transmittal letter dated April 5, 2013.

The rules which regulate the design, installation and testing of domestic wastewater projects are found in 30 TAC, Chapter 217, of the Texas Commission on Environmental Quality (TCEQ) rules titled, Design Criteria for Wastewater Systems.

Section 217.6(d), relating to case-by-case reviews, states in part that upon submittal of a summary transmittal letter, the executive director may approve of the project without reviewing a complete set of plans and specifications.

Under the authority of §217.6(e) a technical review of complete plans and specifications is not required. **However, the project proposed in the summary transmittal letter is approved for construction. Please note, that this conditional approval does not relieve the applicant of any responsibilities to obtain all other necessary permits or authorizations, such as wastewater treatment permit or other authorization as required by Chapter 26 of the Texas Water Code.** Below are provisions of the Chapter 217 regulations, which must be met as a condition of approval. These items are provided as a reminder. If you have already met these requirements, please disregard this additional notice.

1. You must keep certain materials on file for the life of the project and provide them to TCEQ upon request. These materials include an engineering report, test results, a summary transmittal letter, and the final version of the project plans and specifications. These materials shall be prepared and sealed by a Professional Engineer licensed in the State of Texas and must show substantial compliance with Chapter 217. All plans and specifications must conform to any waste discharge requirements authorized in a permit by the TCEQ. Certain specific items which shall be addressed in the engineering report are discussed in §217.6(c). Additionally, the engineering report

Kerry D. Maroney, P.E.
Page 2
April 8, 2013

must include all constants, graphs, equations, and calculations needed to show substantial compliance with Chapter 217. The items which shall be included in the summary transmittal letter are addressed in §217.6(c)(1)-(10).

2. Any deviations from Chapter 217 shall be disclosed in the summary transmittal letter and the technical justifications for those deviations shall be provided in the engineering report. Any deviations from Chapter 217 shall be based on the best professional judgement of the licensed professional engineer sealing the materials and the engineer's judgement that the design would not result in a threat to public health or the environment.
3. Any variance from a Chapter 217 requirement disclosed in your summary transmittal letter is approved. If in the future, additional variances from the Chapter 217 requirements are desired for the project, each variance must be requested in writing by the design engineer. Then, the TCEQ will consider granting a written approval to the variance from the rules for the specific project and the specific circumstances.
4. Within 60 days of the completion of construction, an appointed engineer shall notify both the Wastewater Permits Section of the TCEQ and the appropriate Region Office of the date of completion. The engineer shall also provide written certification that all construction, materials, and equipment were substantially in accordance with the approved project, the rules of the TCEQ, and any change orders filed with the TCEQ. All notifications, certifications, and change orders must include the signed and dated seal of a Professional Engineer licensed in the State of Texas.

This approval does not mean that future projects will be approved without a complete plans and specifications review. The TCEQ will provide a notification of intent to review whenever a project is to undergo a complete plans and specifications review. Please be reminded of §217.5 of the rules which states, "Approval given by the executive director...shall not relieve the sewerage system owner or the design engineer of any liabilities or responsibilities with respect to the proper design, construction, or authorized operation of the project in accordance with applicable commission rules."

If you have any questions or if we can be of any further assistance, please call me at (512) 239-4552.

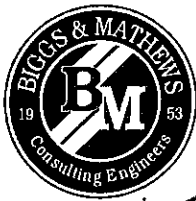
Sincerely,



Louis C. Herrin, III, P.E.
Wastewater Permits Section (MC 148)
Water Quality Division
Texas Commission on Environmental Quality

LCH/mac

cc: TCEQ, Region 03 Office



BIGGS & MATHEWS, INC.

Consulting Engineers

MWD/ 10509-005 / PA

0413/021

RECEIVED

APR 08 2013

**WATER QUALITY DIVISION
TCEQ**

2045 OK
4/10/2013
CV-YES
April 5, 2013

Louis C. Herrin III, P.E.
Texas Commission on Environmental Quality
Wastewater Permit Section (MC-148)
Water Quality Division
P. O. Box 13087
Austin, TX 78711-3087

CK 1000129316

RN 19611051

RE: City of Wichita Falls
PWS ID No. 2430001
Temporary Direct Potable Reuse Conveyance Facilities
Wichita County, Texas

Dear Mr. Herrin:

As you are aware, the City of Wichita Falls is currently in **Stage 3 Emergency Drought** conditions with all their supply reservoirs levels below 40% capacity. In addition, it appears very likely they will enter **Stage 4 Disaster Drought** conditions about mid-summer of this year as the lake capacities drop to 30%. Upon approval by TCEQ, the City proposes to augment their water supply with treated effluent from the River Road Wastewater Treatment Plant (RRWWTP) and subsequent treatment through a direct potable reuse (DPR) Microfiltration/Reverse Osmosis (MF/RO) water treatment train located at the Cypress WTP.

Enclosed for your review and approval is one (1) set of construction plans and specifications for the Temporary Direct Potable Reuse Conveyance Facilities from the RRWWTP to the Cypress WTP. In accordance with TAC 210.25 (h), TAC 217.8 and 26.034(d) of the Texas Water Code, the City of Wichita Falls has approval authority of the plans and specifications and based on their review, these plans and specifications have been approved for construction. However, based on prior discussions relative to this specific reuse project plans and specifications are being provided for your review.

It is our opinion, these plans and specifications comply all requirements set forth in TAC 210.25 including, but not limited to, the following key design elements:

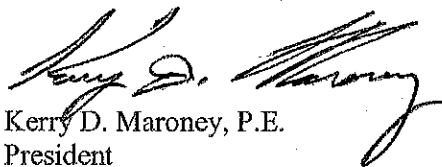
- ✓ 32" Diameter HDPE Pressure Rated at 160 psi
- ✓ Design Capacity For 8.0 MGD @ 75 psi
- ✓ Velocity at Design Capacity = 3.09 ft/sec.
- ✓ Test Pressure Requirement of 1.5 times Design Pressure
- ✓ Pipe With Purple Stripes For Reclaimed Water Designation
- ✓ Pipe with stenciled warning "Non-Potable Water" Designation
- ✓ Air/Vacuum Valves at High Points of Line

In addition, we respectfully request an expedited review of these documents and an approval letter so that the City can proceed with the construction of the conveyance facilities prior to final approval of the required DPR Preliminary Engineering Report (PER). It is anticipated that the PER will be provided to TCEQ (Joel Klumpp) under a separate submission for approval no later than May 15, 2013.

If you have any questions concerning the enclosed plans and specifications, please contact us.

Sincerely,

BIGGS & MATHEWS, INC.


Kerry D. Maroney, P.E.
President

Cc: Russell Schreiber, P.E.
Public Works Director
City of Wichita Falls, Texas

Joel Klumpp, TCEQ
Technical Review & Oversight Team

