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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution
September 4, 2014

Mr. David W. Sloan, P.E.
Freese & Nichols, Inc.
4055 International Plaza, Suite 200
Fort Worth, TX 76109-4895

Re: Colorado River MWD - Public Water System ID No. 1140038
Proposed Raw Water Production Facility – Big Spring Plant Modifications
Engineer Contact Telephone: (817) 735-7300
Plan Review Log No. P-07072014-031
Howard County, Texas

CN602515967; RN105692891

Dear Mr. Sloan:

On July 7, 2014, the Texas Commission on Environmental Quality (TCEQ) received planning material with your letter dated July 1, 2014 for the proposed Raw Water Production Facility – Big Spring Plant modifications. 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. Monochloramine, total chlorine, and free ammonia levels need to be tested weekly after the Microfiltration (MF) unit and before the Reverse Osmosis (RO) unit to ensure that a desired disinfectant residual is being maintained and break-point chlorination is not occurring.
2. Records of monochloramine, total chlorine, and ammonia monitoring described above must be maintained with the system's disinfectant records for a period of three years and made available to the TCEQ staff upon request as specified in 30 TAC Section 290.46(f)(3)(B).
3. Disinfection byproduct (DBP) may be generated after the RO permeate is blended with raw surface water and DBP levels **must be monitored monthly for 12 Months**. Monitoring point must be past the point when blending of the two source waters occur in the main pipe. Please send the 12 months of sampling to:

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

The submittal consisted of 20 sheets of engineering drawings and technical specifications. The approved project consists of:

P.O. Box 13087 • Austin, Texas 78711-3087 • 512-239-1000 • tceq.texas.gov

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September 4, 2014

- One (1) monochloramine skid with side stream circulation pump and off-skid static mixer;
- One (1) sodium hypochlorite pump skid;
- One (1) liquid ammonium sulfate pump skid;
- Relocation of free and total chlorine measurement downstream of the Microfiltration cartridge filters;
- Removal of sodium bisulfate tank and replacement with one (1) 2,000 gallon insulated sodium hypochlorite bulk tank; and
- One (1) 300 gallon double wall hypochlorite day tank.

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

The project is located at the northeast corner of the intersection of East Marcy Drive and East 11th Place in Howard County, Texas.

The Colorado River MWD public water supply system provides water treatment for the system.

An appointed engineer must notify the TCEQ's Region 7 Office in Midland at (432) 570-1359 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 30 TAC §290.39(h)(3).

Please refer to the Utilities Technical Review Team's Log No. P-07072014-031 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 submittals. 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/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/utilities/planrev.html#status>

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

Mr. David W. Sloan, P.E.

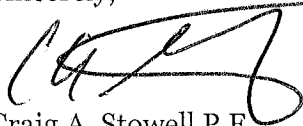
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If you have any questions concerning this letter or need further assistance, please contact Mr. Craig A. Stowell at (512) 239-4633 or by email at craig.stowell@teeq.texas.gov or by correspondence at the following address:

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

Sincerely,



Craig A. Stowell P.E.
Utilities Technical Review Team
Plan and Technical Review Section
Water Supply Division
Texas Commission on Environmental Quality



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

CAS/AL/agl/av

cc: Colorado River MWD, Attn: Mr. Jim R. Purcell, P.O. Box 869, Big Spring, TX 79721-0869

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bcc: TCEQ Central Records PWS File 1140038 (Colorado River MWD)
TCEQ Region No. 7 Office - Midland (with approved materials)
TCEQ PWSINV, MC-155