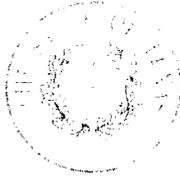


Buddy Garcia, *Chairman*
Larry R. Soward, *Commissioner*
Bryan W. Shaw, Ph.D., *Commissioner*
Mark R. Vickery, P.G., *Executive Director*



PWS ID #0330007 CO

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

July 23, 2009

MR SCOTT W. HONEYFIELD, P.E.
PARKHILL SMITH & COOPER INC
900 S LINCOLN ST
AMARILLO TX 79101

Re: US Department of Energy Pantex Plant - Public Water System I.D. #0330007
Proposed Change in Disinfection to Mixed-oxide (MIOX) - Ref Log No. 200806-003
Engineer Contact Telephone: (806) 376-8600
Plan Review Log Number 200907-052
Carson County, Texas

CN600125009; RN100210756

Dear Mr. Honeyfield:

The planning material received on July 13, 2009, with your letter dated June 3, 2009, and a letter dated July 9, 2009, from the NNSA Pantex Site Office for the proposed change in disinfection has been reviewed. The project generally meets the minimum requirements of the TCEQ's 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 requirements:

1. All chemical storage and feed facilities must comply with TCEQ requirements specified in 30 TAC §290.42(f).
2. Chemical feed systems shall be designed to minimize the possibility of leaks and spills and provide protection against backpressure and siphoning [§290.42(f)(2)(D)].
3. Safety equipment and training programs for all chemicals used in water treatment shall meet applicable standards established by the Occupational Safety and Health Administration (OSHA) or the Texas Hazard Communications Act, Health and Safety Code, Title 6, Chapter 502 [§290.42(k)(1)].

The MIOX® system was approved as an alternate disinfectant by our Public Drinking Water Section in their letter dated October 30, 2007.

The submittal consisted of an engineering summary, two sheets of engineering drawings, a water distribution system drawing, three as-built detail drawings of the water plant facilities and technical

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specifications. The approved project consists of:

- A MIOX® mixed-oxide liquid injection disinfection system with dual SAL-80 units certified under NSF 61 and rated 30 gal/hr, a 405 gallon double-walled oxidant tank, a brine tank with certified NSF 60 salt, two brine pumps, a water softener, chlorinator, existing gas chlorine 150 pound cylinders, piping and related appurtenances.

This approval is for the construction of the above listed items **only**. The MIOX system has a capacity 50% greater than the highest expected dosage to be applied.

The US Department of Energy Pantex Plant public water supply system provides water treatment.

An appointed engineer must notify the TCEQ's Region 1 Office at (806) 353-9251 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 substantially in accordance with the plans and change orders on file with the commission as required in §290.39(h)(3) of the Rules.

Please refer to the Utilities Technical Review Team's Log No. 200907-052 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 future submittal to TCEQ for review of improvements to a Public Water System. Every blank on the form must be completed to minimize any delays in review of your project. The document is available on our WEB site at the address shown below.

<http://www.tceq.state.tx.us/assets/public/permitting/forms/10233.pdf>

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.state.tx.us/assets/public/permitting/watersupply/ud/planrev_list.pdf

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

http://www.tceq.state.tx.us/permitting/water_supply/ud/planrev.html

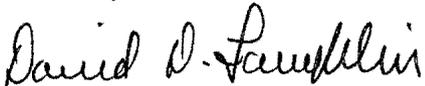
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If you have any questions please contact me at (512)239-0405 or the Internet address: "DLAUGHLI@tceq.state.tx.us" or if by correspondence, include MC 153 in the letterhead address below.

Sincerely,

A handwritten signature in cursive script that reads "David D. Laughlin".

David D. Laughlin, P.E.
Utilities Technical Review Team
Water Supply Division MC-153
Texas Commission on Environmental Quality

DDL/ln

cc: US Department of Energy Pantex Plant - Attn.: Mr. Johnnie F. Guelker, P.O. Box30030,
Amarillo, TX 79120-0030