From: Joel Klumpp
Sent: Fri, 8 May 2015 21:55:56 +0000
To: David Sloan
Cc: Marlo Berg; Jennelle Crane; Karen Smith; Cari-Michel Lacaille; Eria Harvey; Russell Schreiber (russell.schreiber@wichitafallstx.gov); Daniel Nix (daniel.nix@wichitafallstx.gov); Mark Southard (mark.southard@wichitafallstx.gov); Shawn Garcia; Vera Poe; Linda Brookins
Subject: RE: Wichita Falls Request to Blend Lake Kemp water with DPR

David,

Thank you for your email and for the thoughtful comments provided on the TCEQ draft letter and enclosures. We will consider each comment and move forward with finalizing these documents.

The rain dances being done in the City are finally paying off: we're thrilled to see that Arrowhead, Kickapoo, and Kemp are catching some water. We'll continue to keep an eye on the reservoir levels and hope that even more runoff makes it to them and that even more rain is on the way!

Regards,

Joel

Joel Klumpp | **Manager** | **Plan and Technical Review Section** | **TCEQ**
12100 Park 35 Circle, Bldg. F | Austin, Texas 78753 | ☎ (512) 239-4453 Fax: (512) 239-6050 | ✉: Joel.Klumpp@tceq.texas.gov

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From: David Sloan [mailto:DWS@freese.com]
Sent: Friday, May 08, 2015 10:17 AM
To: Linda Brookins
Cc: Marlo Berg; Jennelle Crane; Karen Smith; Joel Klumpp; Cari-Michel Lacaille; Eria Harvey; Russell Schreiber (russell.schreiber@wichitafallstx.gov); Daniel Nix (daniel.nix@wichitafallstx.gov); Mark Southard (mark.southard@wichitafallstx.gov); Shawn Garcia; Vera Poe
Subject: RE: Wichita Falls Request to Blend Lake Kemp water with DPR
Importance: High

Linda: Thanks again for the priority review of the request to blend Lake Kemp water in Wichita Falls' DPR program, and the opportunity to review the draft version of the approval letter and enclosures. (Thanks to Joel also for the revised version of Enclosure A, which was much easier to read.)

City staff and I have reviewed the proposed documents and they are generally consistent with the intent of our request. We do have a number of suggested clarifications and requested adjustments, as noted in the attached document. Please contact me or Russell Schreiber if further clarification is needed.

Best regards,

DAVID SLOAN / FREESE AND NICHOLS, INC.

From: Linda Brookins [mailto:linda.brookins@tceq.texas.gov]
Sent: Tuesday, May 05, 2015 5:58 PM

To: David Sloan
Cc: Marlo Berg; Jennelle Crane; Karen Smith; Joel Klumpp; Cari-Michel Lacaille; Eria Harvey; Russell Schreiber (russell.schreiber@wichitafallstx.gov); Daniel Nix (daniel.nix@wichitafallstx.gov); Mark Southard (mark.southard@wichitafallstx.gov); Shawn Garcia; Vera Poe
Subject: RE: Wichita Falls Request to Blend Lake Kemp water with DPR

David,

In response to the requests in your emails dated March 10 and April 30, 2015, please see the attached draft TCEQ conditional approval letter and enclosures. Our letter and enclosures address changes to the City of Wichita Falls Direct Potable Reuse (DPR) project, including:

- Final conditional approval of the ultraviolet light (UV) disinfection system;
- Conditional approval of the use of Kemp water as a source for the DPR project;
- Revised contact time (CT) study approval letter for the Cypress Temporary DPR Water Treatment Plant; and
- Necessary amendments to our August 5, 2014 conditions of approval for the DPR project to reflect the UV disinfection system and new source. The highlights within the letter represent the changes made to the August 5, 2014 conditions based upon the city's latest request.

In response to comments from the City during our April 30, 2015 teleconference, we have amended our conditional approval of the phased approach to incorporate water from Lake Kemp by shortening the minimum required duration of your originally proposed Phase 2 from two months to 30 days. We understand the City's concern that the faster they can utilize water from Lake Kemp, the faster they can transition away from their current level of reliance on Lakes Arrowhead and Kickapoo.

Please review the draft letter and enclosures. Per the City's request, our review of your submittals was expedited and we are committed to getting the final version of this letter and enclosures to the City as soon as possible.

Please let me know if you have any questions.

Sincerely,

Linda Brookins, Director
Water Supply Division
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087
(512) 239-4625

From: David Sloan [mailto:DWS@freese.com]
Sent: Thursday, April 30, 2015 5:59 PM
To: Joel Klumpp; Linda Brookins
Cc: Russell Schreiber (Wichita Falls); Daniel Nix (Wichita Falls); Mark Southard (mark.southard@wichitafallstx.gov); Shawn Garcia

Subject: FW: Wichita Falls Request Amendment
Importance: High

Joel & Linda: On behalf of the City of Wichita Falls, we appreciate your team's priority review of the City's request to incorporate blending of Lake Kemp water into the City's current DPR operation. It was very helpful to have the discussion this afternoon regarding the planned contents of TCEQ's modified approval. As we considered the impact of the increased time frames for Phase 1 and 2, it became apparent that the relief to the City's reliance on Lakes Arrowhead and Kickapoo would be later than hoped, even with the timely approval which now appears imminent.

We therefore respectfully request that the City be allowed to resume operation of the DPR facility at its current flow of 7.5 MGD following the first month of Phase 2. This will allow up to 7.5 MGD of effluent from River Road WWTP to be transferred and treated through the 2008 membrane facility along with up to 3.75 MGD of raw water from Lake Kemp, producing up to 7.5 MGD of RO permeate with UV disinfection. This would be blended with at least 2.5 MGD of water from the Secondary Reservoir (Arrowhead/Kickapoo) to comply with the maximum contribution from River Road effluent. We note the following in support of this approach:

1. This approach will allow testing the most challenging blend (50% reclaim/50% Lake Kemp) in the membrane facility for the first 2 months.
2. As effluent contribution returns to the current amount, the salinity of the raw water blend will decrease.
3. This will allow the City to resume maximized use of their available effluent, as they have successfully for the past 10 months.
4. TCEQ will retain its oversight of the facility performance before approving the final, more flexible operation proposed as Phase 3.

Please contact me if you have any questions regarding this request.

Best regards,

DAVID W. SLOAN, P.E., BCEE
SENIOR PROCESS ENGINEER
BOARD CERTIFIED ENVIRONMENTAL ENGINEER

From: David Sloan [mailto:DWS@freese.com]
Sent: Tuesday, March 10, 2015 11:50 AM
To: Joel Klumpp; Vera Poe
Cc: Russell Schreiber (Wichita Falls); Brad B. Castleberry (Lloyd, Gosselink); Daniel Nix (Wichita Falls)
Subject: Wichita Falls Request to Blend Lake Kemp water with DPR

Joel & Vera:

Attached is the submittal package for the Wichita Falls Lake Kemp supply integration, as we discussed at our meeting in your offices in January. We are also providing 3 hard copies by mail. Included are the following:

1. Transmittal letter.

2. Sealed Engineering Report.
3. Updated CT studies (for River Road WWTP source and Headquarters Road PS source [Lake Kemp])
4. Proposed Modifications to DPR Conditions (with explanatory comments)
5. Plans & specs submittal review form
6. Supplemental pump station drawings
7. Pump specification

As noted in the transmittal letter, the City is eager to incorporate this source and would welcome a meeting with your staff to discuss this and work out any details. Please contact me if there are questions regarding the attached documents or the overall plan.

Best regards,

DAVID W. SLOAN, P.E., BCEE
SENIOR PROCESS ENGINEER
BOARD CERTIFIED ENVIRONMENTAL ENGINEER

FREESE AND NICHOLS

WATER / WASTEWATER TREATMENT & REUSE
4055 INTERNATIONAL PLAZA, SUITE 200 | FORT WORTH, TX, 76109
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